

florida

SKIP

NON-PROFIT CORPORATION

VOL. 29 NO. 2

THE ALL-FLORIDA AMATEUR RADIO PUBLICATION

June 1985

Price 50 cents

24 MHZ IS OURS!

Raymond A. Kowalski, Chief of the FCC's Special Services Division of the Private Radio Bureau, made it official at Ham-vention '85. According to Kowalski, on April 24, the FCC adopted a Report and Order transferring 24 MHz to the Amateur Radio Service effective 0001 UTC on June 22, 1985. This will make the band available one day before Field Day, and it is unknown at press time how, or if, contacts for the new band will be counted for the event.

The FCC has set no special power limits for 12 meters; 1500 watts PEP is the maximum allowable power output. In addition, 10 MHz (30 meters) is now officially an amateur band, eliminating the need for the temporary authority granted by the Commission some time ago. Hams operating on 30 meters will be restricted to a power limit of 200 watts PEP output, in order to protect existing fixed services which plan to continue operating through 1989.

(The WESTLINK Report, 5/3/85)

NO MODIFICATIONS FOR NEXT HAM IN SPACE OPERATION

A \$65,000 "integration cost," has caused the National Aeronautic and Space Administration (NASA) to scale back Amateur Radio operations aboard the 51F space mission set for July.

Original plans for the mission (where two hams — W0ORE and W4NTZ — will be aboard) called for a 10 meter antenna to be located in the cargo bay. This antenna was to be used to transmit slow-scan TV pictures back to earth and also to be part of a two-meter to ten-meter repeater.

Under the latest NAS proposal, only the small window antenna will be permitted and that will curtail operations to two-meter HT and a slow speed TV downlink only on two meters.

Even two-meter operation will be curtailed due to time and space constraints since the window where the amateur radio antenna will be mounted will have to be shared with other experiments.

A firm flight plan should be available within a few weeks.

(BALANCED MODULATOR)

COMING EVENTS

ARRL Field Day, June 22 & 23rd.
Jax Hamfest, Aug. 3rd & 4th.
S. FL ARRL Suncoast Conv. Oct. 12&13
Vero Beach Ham/Computerfest Oct 12&13
Broward Hamfest, Nov. 30 & Dec 1st.

Pls send in dates early. Editor.

SECOND CLASS MAIL



Amateur Radio Communication Center Sun and Fun Fly-In, Lakeland team. L to R: WA4QJY (traffic coordinator), WA4HJM, Lee Love (awaiting call), K8RIF, K4EBO (Logistics), WB4SOU (Director of Operations) and K4EBE (Engineering).

LAKELAND FLY-IN

By Ginger Fitzgerald, WB4SOU

The Polk Ham Club (W4TJM) provided an Amateur Radio Communication Center for the 11th Experimental Aircraft Association Sun and Fun Fly-In at Lakeland, Florida, March 17-23. An estimated 114,000 people attended this fly-in show, which is the second largest in the country, to see antiques, classic, home-built, aerobatic, warbirds and light aircraft. There were 141 foreign guests representing 21 countries during this event.

The Polk Ham Club was assisted by Hams in the local area, with the Lake Wales Repeater Association, Lakeland Repeater Association, and the Polk County Civil Defense Department provided the facilities. The communication center was staffed by Director of Operations Ginger Fitzgerald, WB4SOU, Traffic Coordinator Dick Roland, WA4QJY, Engineering Ed Nevin, K4EBE, Engineering Polk County Civil Defense Tom Bell, KA4ALV, Logistics Lucky Parker, K4EBO. During this event approximately 300 people visited the center, of which two-thirds were Hams. Several hundred messages were sent to 35 states and other countries.

FCC PROPOSES PROHIBITING DISQUALIFIED PERSONS FROM PARTICIPATING IN THIRD-PARTY COMMUNICATIONS (PR DOCKET 85-51)

The Commission has proposed prohibiting disqualified persons from participating in third-party Amateur communications.

The Commission rules require an Amateur station to be under the control of a licensed operator at all times. However, the rules permit a third party, who can be any person, to participate in Amateur communications, provided the control operator monitors and supervises the transmissions.

Persons whose Amateur privileges have been terminated have wanted to take advantage of the third-party rule by participating in communications from stations licensed to Amateurs in good standing.

QSY back page

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DEADLINE: 8th of month in P.O. Box 501, Miami Springs, FL 33266

SILENT KEYS

We are deeply sorry to report the passing of the following amateurs in Florida.

K4CN	Edwin Hollis	Palmetto
WA4VZV	Charles P. Meister	Clearwater
W8KBL	Bernard "Bud" Burlingame	Bradenton
WILEA	Leo Lasonde	Port Richey
K4GWM	Thadd Waytalak	Pinellas Park
K4UY	Robert D. Wahlstrom	Plant City
W4MFB	Dr. L. Long	Osprey
K4JRK	Fred Fiddelke	Coconut Creek
W2AQH	Ernie Jerome (ex WB4JCB)	Fort Myers
W4LFE	Nate Coffey	Lake Wales
N4BGW	John Durkovic	Cape Coral
WB4IRX	Peter P. Forst, Jr.	Hollywood
KF4NF	Robert Mader	Englewood
WD4RHO	Charles W. Greig	Lighthouse Point
NF4W	Anthony D. Tartaglia	Titusville
W4YO	Fred J. Wadford Jr.	Palm Harbor

EX CALLS

Keep thos EX-CALLS coming folks. Let your friends know which new call sign you are miding behind now. Editor.

VE7II/4	ex	VE4NI
N4AUT	ex	KJ4AM
KA9TGZ	ex	W4ABA
KI4EB	ex	N4BBK
K4SCZ	ex	W2DBI, W3CCI, W5FSD, ON4DB
N4LUQ	ex	KA4NST, WB1DKM
K4EFX	ex	W2WFC
W4DFU	ex	W4IX (1934)
K4CSV	ex	K8AYD
K9CQ	ex	KN8ASM, K8ASM, W3CBJ, W8JUI W9MLS
KA4TMD	ex	W1AVJ (26-65)

FILM FOR LOAN

The Dade County Amateur Radio Public Service Corps produced a 24.06 minute TV program on "COMMUNICATIONS FOR PUBLIC SERVICE EVENTS." This production was on the March of Dimes WALKAMERICA 1985 on March 23rd in beautiful Coconut Grove (Miami), Florida. The production is of professional quality and can be used on any VHS recorder/player. It is not copyrighted and therefore can be copied, if so desired. It would make an excellent club program.

The tape will be given on loan basis to any Florida Club when requested by the secretary on club stationery. Make request to DCARPSC Productions, c/o FLORIDA SKIP, P.O. Box 501, Miami Springs, FL 33266.

GUEST EDITORIAL COMMENTS: VOLUNTEERS

By Billy Williams, N4UF

In Amateur Radio we rely on volunteers to promote our hobby and public service. Very few Amateur Radio organizations have any sort of payroll or paid assistance. Hams in the Greater Jacksonville area contribute many hours to the success of our local clubs.

Dr. Tom Comstock, N5TC, who is Vice-Director of the West Gulf Division of ARRL had some salient observations in the recent issue of ARRL Field Forum. He states "research has shown that (1) a leader's expectations and the way he or she treats volunteers directly determine how those volunteers perform. (2) People work better, harder and more effectively if they are treated with respect, concern and interest. (3) If feasible high performance expectations are set for volunteers, they generally meet or exceed them. This is another way of saying that having clear objectives is crucial.

"Some people are like wheelbarrows, they have to be pushed. Some are like kites, they will fly away if you don't keep a string on them. Others are like footballs, you never know which way they will bounce. Some are like trailers, they have to be pulled. Still others are like balloons, always ready to blow up."

"As a strong general rule, volunteers are best handled in a gray area somewhere between the democratic and participative styles of leadership (leaning in the direction of participative). Most active amateur radio operators are highly individualistic."

When volunteers are used, they should be made to feel that their services are worthwhile and appreciated. Nothing is more frustrating than to volunteer for a public service event or amateur radio promotional event and then get there to waste time in an unimportant capacity. Or to do important work and then not feel appreciated.

In many cases, these problems are caused by lack of organization by the sponsors of the public service event. They, themselves are often volunteers and may not be as well organized as the hams serving them.

Progress is being made in making amateur radio volunteer work more attractive. Unworthy events are being eliminated from public service calendars and others are being improved to use our services more effectively.

(From NOFARS-BALANCED MODULATOR)



Editor,

It is with deep regret and sorrow that we must report the passing of our friend and former secretary/treasurer, Mr. Hugh Henline, W4JOP, on March 6, 1985. Hugh was truly a devoted husband, friend, and proponent of amateur radio. He had a delightfully jovial personality, bearing out his phonetic, "Jolly Old Papa", along with a quick wit and an eagerness to help others. We all miss him.

Thank you and 73,

Adis M. Henry, W4PFJ, (Mrs.)

Sec/Treas.. QCWA, Suwannee Chapter 62, Ocala, FL.

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Editor, Florida Skip:

I was not surprised at your lead-off letter in the April issue regarding KA4WMX. You might wonder how such an abrasive personality got to be president of the OARC. Well, he declined to run for re-election last year until the night of the balloting. Then, he declared his candidacy and seemingly was swept in by default for another term.

I'm a member of the OARC but don't think much of the way it's run. I know I can complain but it is hardly worth the aggravation. I've been waiting since May 1984 to get my membership I.D. plaque and don't get the monthly bulletin because of foul-ups with the Post Office. We're still waiting to hear the results of a 1983 "study" about what the members brought from the club.

Nuf said.
Dear Andy,

On page 2 of the April issue, Dick, KA4AIZ, in his guest editorial wants to know along with some merchants, the editor of "HAM RADIO" magazine and not a few others: What's happening to the dwindling ham population?

Since my novice license was dated 11/1/56, I though I would answer the question.

First, those of us of the WW II persuasion are dying off. The WW II babies are now in their 40s and covered up with \$15000 automobiles and \$750000 homes and their hobby is trying to make ends meet.

The war surplus stuff that allowed us on the air for pennies in the 50s is no longer acceptable even though there's a lot of it around. So, second, the merchants are pricing themselves out of business in several ways — knobs that do little but add to the price, and advertising with little in the way of "build it yourself" or "repair it yourself" encouragement.

Third, we have been divided by such advertising merchants as W2NSD (Never Say Do) whose idea of selling something is obviously to divide and conquer. He is good at it. When I started in '56 there was no such confusion. The League spoke with a single representative voice and was effective even though not everyone agreed. Now we see the power of babble.

Fourth, the thing has gotten so complicated even for the Advance Class ticket holder that if I had to start all over again, I wouldn't. We got our feet wet with "75 watts xtal controlled" with a year to get it done or get off the air and the characters that just HAD to have a mike and a 2 meter box got off, for the most part. My first CW went out on 3735 kcs with a 6V6 in the final—I could have had 3 watts in the 90 meter dipole. The receiver was a BC348 with darn near a quarter of an inch of wobbly dial in the novice band, not counting the drift for the first hour or so. No SSB, ATV, MSO, ad inf., and believe me I am FOR progress, but it is culling out the riff-raff.

Compared to what we are seeing today, there is no incentive, no challenge, and little enthusiasm. Romance never had anything to do with it except for what the PR guys would try to make you swallow. Pride in accomplishment, pride in operating technique, pride in ability to copy CW, handle traffic, pride in belonging to a national organization like ARRL, pride in willingness to help others in an emergency which are now uncommon

virtues were once the norm.

That's PART of what's happening. Maybe another day I'll have time for more.

73 to you and yours,

Art Raynor, K4GOX

P.O. Box 627, Bartow, FL 33830

Dear Andy:

Your book review in the May Skip was very interesting. I did not know that the "Army Loop" (Electronics 8/67) was a new development until I saw that it had won in the ARRL Antenna Design Contest!

With the idea that the Army Loop would make a compact antenna for present day compact living, I set up one to check out several years ago. It has to be tuned and matched at the antenna and an in-shack "transmatch" is out. Of course this would be the case if you were using a beam and wanted to have a clean pattern. There is a loss in this type of antenna but probably no more than the "out of the window and into the trees" wires or ground-plainless verticals that are used. The high-Q, narrow band-pass does reduce the out-of-band pick-up on reception and TVI producing harmonics on transmission which is not a bad characteristic of this antenna. If the inefficiencies and the electrical considerations are not a factor it will do a job in cramped or portable operation.

73,

Wayne W. Cooper, AG4R

9302 N.W. 2nd Place, Miami Shores, FL 33150

ATCS WANTED!!

The North and South Florida Section Technical Coordinators are currently looking for individuals to fill the newly created ARRL position of Assistant Technical Coordinator (ATC).

One per county is being sought, with duties to include assistance of amateurs with RFI and TVI problems, monitoring developments in antenna zoning ordinances, and general technical assistance for those who need it.

The ATC need not be of engineering caliber, since the League will supply necessary technical information.

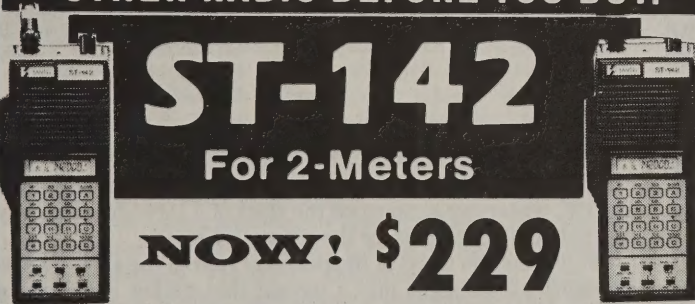
Interested parties are asked to contact their respective Technical Coordinator as follows.

North Florida Section: Charlie Anderson, N4KF, 1716 Reppard Road., Orlando, FL 32803 Phone 305-896-6649.

South Florida Section: Joel I. Kandel, KI4T, 5463 S.W. 92nd Ave., Miami, FL 33165 Phone 305-596-9373.

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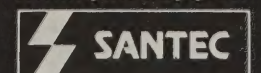
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Here Eli Nannis K4JMH, Editor of Florida SKIP QCWA columns receives a MERITORIUS AWARD from National QCWA President, Stuart Meyers W2GHK, April 6, 1985. Congratulations OM. Eli always does more than his share for QCWA, and they picked the right man.

ARMORED FORCE AMATEURS TO MEET

The Armored Force Amateur Radio Nationwide Emergency Team (A FAR NET) will hold an Eyeball Bivouac at Fort Knox, Kentucky on June 7 - 9, 1985. Fort Knox is the U.S. Army's Armor center.

The gathering place for this unique affair will be the Best Western Gold Vault Inn in Radcliff (just outside the Fort itself). Campers will use the Fort Knox campground facilities at Camp Carlson.

Members of the Net will start their bivouac on Friday, June 7th, with an informal picnic or cookout. On Saturday, the group will tour Fort Knox via a guided bus tour which will end with a visit to the Patton Museum. Evening plans call for a cocktail party followed by a sit-down dinner at 8:00 p.m. The group will gather Sunday morning for a farewell breakfast before starting for home. Additional information on this get together can be obtained by contacting Carl Quickmire, WB4UBS, 6341 Cloverdale Drive, Columbia, S.C. 29209.

The A FAR Net is a group of radio amateurs who at some period of their lives served in or were attached to an armored (tank) unit of the armed forces. The Net members provide a nationwide emergency capability for use in the event of a national emergency. The motto of the group is: "We have served, we are serving, we will serve."

Any amateur radio operator who has ever served with or been assigned to an armored unit of the U.S. armed forces or its allies is eligible for membership. Family members holding an amateur license are also eligible for associate membership. The Net runs daily schedules and uses both SSB and CW modes of communication.

Individuals interested in joining this unique organization can obtain additional information and an application for membership by contacting Harry B. Thomsen, W2PJH, 348 Jefferson Avenue (Apt. 15), Canandaigua, N.Y. 11424. A business sized SASE would be appreciated.

IF YOU FIND MISTAKES
IN THIS PUBLICATION,
PLEASE CONSIDER
THAT THEY ARE THERE
FOR A PURPOSE. WE
PUBLISH SOMETHING
FOR EVERYONE, AND
SOME PEOPLE ARE
ALWAYS LOOKING
FOR MISTAKES !!!



OBSTRUCTING JUSTICE

FROM STATE OF FLORIDA MANUAL F.S. 1981, CH. 843.
THANKS WA4WOU OF LARGO FOR THIS. BE SURE TO READ
EDITOR

843.16 Unlawful to install radio equipment using assigned frequency of state or law enforcement officers; definitions; exceptions; penalties.—

(1) No person, firm or corporation shall install in any motor vehicle or business establishment, except emergency vehicles as herein defined, or places established by municipal, county, state, or federal authority for governmental purposes, any frequency modulation radio receiving equipment so adjusted or tuned as to receive messages or signals on frequencies assigned by the Federal Communications Commission to police or law enforcement officers of any city or county of the state, or to the state or any of its agencies. Provided, nothing herein shall be construed to affect any radio station licensed by the Federal Communications System.

(2) As used in this section the term "emergency vehicle" shall specifically mean:

(a) Any motor vehicle used by any law enforcement officer or employee of any city, county, the state, Federal Bureau of Investigation, or Armed Forces of the United States while on official business;

(b) Any fire department vehicle of any city or county of the state, or any state fire department vehicle;

(c) Any motor vehicle designated as an emergency vehicle by the Department of Highway Safety and Motor Vehicles and said vehicle is to be assigned the use of frequencies assigned to the state;

(d) Any motor vehicle designated as an emergency vehicle by the sheriff of any county in Florida when said vehicle is to be assigned the use of frequencies assigned to the said county;

(e) Any motor vehicle designated as an emergency vehicle by the chief of police of any city in the state when said vehicle is to be assigned the use of frequencies assigned to the said city.

(3) This section shall not apply to any holders of a valid amateur radio operator or station license issued by the Federal Communications Commission.

(4) Any person, firm or corporation, violating any of the provisions of this section shall be deemed guilty of a misdemeanor of the second degree, punishable as provided in s. 775.082 or s. 775.083.

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GEARVAKI BULLETIN

FCC LAUNCHES CALLSIGN STUDY

Mr. Knurl F. Lywheel, spokesperson for computer operations at FCC, yesterday announced the start of a three-month study into new callsign allocations for the Amateur Service.

"Following the trend of the past few years," he said, "we will be changing all callsigns into a format that makes it easier for the FCC computer," (a Univac model 1-A). The study will determine if binary, hexadecimal, or machine language callsigns will be the easiest.

A typical callsign like "W1ABC" will be changed to "101100010110,6A33EBO, or 1?&??X-% depending upon the system that is finally selected.

N4GG

Editor's Note: While on the subject of callsigns it sure would be nice if amateurs would periodically announce their town and state or country when signing their calls. It really is difficult to check the skip on the bands when you don't know where a station is located. It also saves a "break" and interruption of a QSO to get this information. (I remember when it only took a few minutes of listening to check the skip by callsigns!)

(The State of the ARTS, Fort Wayne, In.)

FLORIDA SKIPITS

Nothing recedes like success I'll give you a second opinion, you're still wrong..... Did you ever notice that traffic goes slower during rush hours..... Compromise always seems to cost more than either the pro or the con.....

TEN RADIOMAN'S RULES FOR CAREFUL MAINTENANCE

By Dan Bauer, AC4K

(Special to FLORIDA SKIP)

1. Get yourself mentally and physically prepared for the job at hand. Take a little extra time to gather the necessary tools, manuals and so forth. Provide yourself with a reasonably clean and well lighted workplace. Be safety minded — use eye protection when soldering, using spray solvents or tools in accordance with modern industry practices. Be careful when servicing live equipment. Remember that the older tube type gear manufactured more than ten years ago is generally more dangerous due to the higher voltages used and the less stringent product safety standards which were commonly followed in the "good old days."
2. Hardware store items such as Windex, paper towels, wooden toothpicks, pipe cleaners, epoxy and super glue can be used for many purposes including cleaning equipment, dispensing oil or contact cleaners and performing minor repairs to plastic parts. Always check any solvent or cleaner for compatibility with paints or plastics in an inconspicuous spot before commencing cleaning operations.
3. The first thing I check when servicing any radio is to verify that all fuses are the correct value. An oversized fuse, installed during an "emergency" is often forgotten with sometimes disastrous consequences. If you must use the wrong fuse, try using the next smaller size rather than a larger one. A small container should be handy to hold all screws and piece parts removed during disassembly. Make a mental or actual note of which screw goes where. Try to get all hardware back in its original position when reassembling. Be sure to replace any missing fasteners, lockwashers, etc., exactly as designed. One of those old military surplus boat anchors you see at the hamfest can often be obtained as a source of "mil" type hardware. You can strip everything needed now, or possibly save it intact (hidden from the XYL) and get screws, washers, bushings, fasteners as required.
5. Physically inspect everything. Try switches and controls for proper feel. Check the centering of rotary switch contacts. Inspect electrolytic capacitors and replace those which show signs of leakage of their electrolyte. Don't replace older high voltage electrolytic capacitors which still meet specifications as the newer ones have been less reliable in recent years. Check resistors for signs of discoloration and/or cracks on their bodies. Measure any which look suspicious and replace if necessary.
6. A few words concerning circuit boards. Use an appropriate soldering iron like those suggested in the ARRL handbooks or Heath assembly manuals. Desoldering aids such as Solderwick or similar desoldering braids can be more easily used by the amateur for printed circuit board removals as an alternative to the old fashioned desoldering bulb. A wood toothpick makes an excellent "hole cleaner" when inserted in a hole which has been inadvertently filled with solder.
7. When using contact cleaners to spray switches, pots and so forth, be sure to use one which contains a lubricant. A solvent such as tri-chloroethane or freon will remove the lubricant present in these components and often will cause noise or premature failure. I can recommend Channel Master Shield as one of the most suitable for general purpose service work. A small droplet of oil can be applied to the detent mechanism of rotary switches to keep them from binding. I like a small hypodermic needle for dispensing oil — one drop please! The same can be done for panel bushings and potentiometers.
8. NEVER — Repeat NEVER — spray contact cleaner on a relay. This is a sure formula for disaster. Rather, spray a few drops on a burnishing tool and pass carefully between the contacts. A business card can then be passed between contact sets to remove any residual solvent. You can eyeball the relay for proper contact action while actuating the relay's armature by hand.



Now heres' a guy that likes his Auto Amateur License Tags. Nine years in fact. When the cops pull up behind Walt Stock, W4IIS of Lauderhill - they have no doubts who he is. Slow down Walt they might pull you over -- just to chat about all those surplus license tags.

AUDIO FIX FOR THE IC-02AT

If you want more receive audio with less bass response for better or easier listening, here's an easy modification I found in the ICOM newsletter.

Turn to your owner's manual to page 42 where it shows the radio opened up. Locate the line that shows the R126 squelch control, where this line bends it points to two (2) electrolytic capacitors. The one on the left is C-117. Carefully pull out and clip the leads.

By removing C-117 you will have eliminated the bassy sound that the speaker can't produce. You will also improve battery life as a side effect.

One word of caution, if you turn the volume past the half way point (you'll probably find this unnecessary) but you could blow the speaker.

I did this modification to my radio and it sounds great. The tone should be just right for listening in a mobile or at a hamfest.

Good luck.

(Written by John, WB9VXT)

(From STARS, Suburban ARS, Tinley Park, IL)

(ARNS Bulletin)

AMSAT-OSCAR 10 ON FIELD DAY

The AMSAT-OSCAR 10 satellite will be in Mode B (430 MHz uplink, 2 meter downlink) for the entire Field Day period. OSCAR contacts earn your group 100 bonus points and are essentially a "free band" — the satellite equipment does not increase your transmitter count.

The ARRL Letter

9. For vacuum tube enthusiasts, a few drops of contact cleaner can be sprayed onto a tube, which can then be reinserted a few times into its socket to quiet down noises caused by corrosion. It pays to retorque the screws which fasten tube sockets into metal chassis to insure that shields and ground connections function as designed. This little step has solved many mysterious problems for me. A tube socket which seems loose can be tightened by carefully reforming each contact with a dental pick.
10. Paying careful attention to your equipment's cosmetic appearance will make a big difference when it comes time to trade. If you don't trade your sets can stay like new for years. Do yourself and your equipment a favor by not smoking. The residue left from cigarette smoke gets into and contaminates everything.



TRAFFIC HOUNDS — APRIL 1985

By K4ZK, STM So. Fla.

NET	QNI	AVG.	QTC	AVG.	SESSIONS	MANAGER
FMTN	881	29.4	934	31.1	30	WB4ADL
QFN	839	14.0	762	12.7	60	K4IA
GN	357	11.9	568	18.9	30	KB9LT
TPTN	817	27.2	550	18.3	30	WA4QXT
SWFTN	1215	46.7	446	17.2	26	K9ALX
FPTN	1344	44.8	374	12.5	30	WB4WYG
NFPN	1535	51.2	201	6.7	30	KC4FL
SVTN	444	14.8	200	6.6	30	KB4LB
FAST	630	10.5	191	3.2	60	WD4HHH
SEFTN	749	25.0	150	5.0	30	KF4RL
FMSN	403	13.4	135	4.5	30	AA4FG Actg.
VEN	365	12.2	122	4.1	30	N4ENL Actg.
LSTTN	1124	37.4	109	3.6	30	NQ4P
GCVTN	564	18.8	101	3.4	30	N4DY
FPON	654	21.8	84	2.8	30	WB4GCK
QFNS	216	7.2	64	2.1	30	WB4YQP
PEN	157	6.3	52	2.1	25	W4GPL
SPARC	750	25.0	32	1.1	30	K5IHH
PBTN	281	13.4	18	0.9	21	K4FHW
DEN	149	37.3	9	2.3	4	N4KWB
PRVAN	36	7.2	8	1.6	5	K4VSN
ENMC	46	11.5	5	1.3	4	K4ZK
QFPN	879		568			Continuous K4NTA (Packet Radio)

TOP TWENTY TRAFFICERS

By WA4PFK & WF4X

1. W3CUL	3144	11. K4SCL	324
2. WD4HIO	1404	12. KY8Y	305
3. W3VR	1102	13. WA4EIC	296
4. WX4H	840	14. WA4PFK	296
5. N4PL	669	15. KB9LT	281
6. WF4X	622	16. WB4ADL	278
7. WA4QXT	560	17. K4ZK	264
8. W4NFK	471	18. W4PKP	254
9. KF4JA	439	19. KD4KK	252
10. WA4NDA	391	20. KI4ZW	239

QFNS REPORT de WB4YQP

3.715 MHZ

SOURCE OF QTC... Let's face it, some months you need just a few more QTCs to hit your goal for the month. The problem is, there are no holidays in the month and you cannot remember Aunt Mary's or Uncle Elmer's birthdays. What do you do? Well, first try not to load the system with junk traffic — it is a reflection on the sender. You might send a Radiogram to someone who has written an information column or an article in FLORIDA SKIP or some lesser publication. You may even send a message of appreciation for a good QSO or even better, send a Radiogram of encouragement to a new or Novice Ham. Your message might even create an interest in traffic handling.

New stations for the month were Gene, KB4HAH, Todd, KB4MHH, Peggy, KY8Y, and returning was Willard, KA4SIH.

For April activity was QNI 216 down slightly; QTC 64, up nicely; and the total number of different stations was up again to 33.

Stations with ten (10) or more QNI for the month were: WA4PFK - 22, KB4ELQ - 21, WD4KBW - 19, AA4HT - 17, WA4QXT - 13, KB9LT - 11, KA4FZI - 10 and KB4MHH - 10. Till next time... 73 de WB4YQP

FMTN REPORT By George

This month is very similar to past months. The propagation of signals at midday is still yoying. We are not alone anymore with these conditions. The other Nets are also experiencing some of the frustrations faced by the FMTN. I sincerely want to commend Net Control Stations for their patience in putting up with having to depend on relay stations to get job done.

We have a group of the best operators in the world, and with their assistance the public service to our communities is being accomplished. We have, under these adverse conditions, managed to average over 30 messages per day which, incidentally, is better average than check-ins. Incidentally, have made tentative arrangements with Ramada Inn West for a traffic handlers breakfast at the Jacksonville Hamfest this coming Aug. 4. 73.

GULF COAST VHF TRAFFIC NET

By Desmond Yong, N4DY, Manager

My thanks to all those who continue to support the activities of the GCVTN. Special thanks to the NCS and net reps without whose help and cooperation the GCVTN could not continue to operate so successfully.

Band conditions on 147.96/7.36 during the month of April were sporadic. At times, another repeater could be heard as strongly as the North Okaloosa Amateur Radio club repeater during net sessions. During one session, I could not even get into the repeater and had to be relayed on simplex. The repeater signals that evening were also very weak.

Several new stations have been checked in at various times, but N4JAG Rick, Enterprise, Alabama and KB4FSK Gill, Opp, Alabama, are more frequent check-ins so they have been added to the roster.

WX4H Mort, went on a trip up north, but is now back in the operating seat.

W4ZGS Till, also took off on a trip towards the west coast. We hope to have him back soon.

Packet radio seems to be gaining much interest in the area and KB4FSK, N4HMD, WD4FJE and KB4AR have been communicating regularly on 145.01 MHz.

On Sunday nights after the GCVTN Net, the Packet Radio Information Net meets on the repeater for a brief while for a discussion on this new mode of communication.

For April, our net reps missed 3 sessions of QFN, 3 sessions of FMTN, 2 sessions of NFPN and 11 sessions of FPTN.

Top 10 check-ins for April:

1. 26 ck ins N4DAS, W8OPZ, K4VND
2. 25 ck ins W0PKT, W4TOH, N4DY
3. 23 ck ins K4LPT
4. 22 ck ins WB9RKJ
5. 21 ck ins WB4TVY
6. 20 ck ins KA4BEN
7. 19 ck ins WX4H
8. 18 ck ins N4HMD, KA4VDK
9. 17 ck ins WD4JDU
10. 16 ck ins WA4PUO, WA4PUP

Top 5 Traffic Handlers - Traffic sent (reps excluded):

1. WB9RKJ
2. W4TOH, WA4PUP
3. KA4VDK, W8OPZ
4. K4LPT
5. WD4HMD

With the change to Central Daylight Savings Time, some of the nets may have changed their meeting time. NFPN is now meeting one hour later at 6:30 p.m. local time instead of 5:30 P.M. This change has caused some difficulties for some of our net reps. We still need some reps and anyone available to help out please inform me. I am trying to arrange our reps so that there will not be much duplication of personnel to different nets. If done properly, this could help our reps to not overwork themselves and even give reps more time for other things.

Of course, I would like to have any comments and suggestions which would help to make the GCVTN a much better traffic net and also help to improve the daily operation of the net overall.

IDEAS ARE STRANGE THINGS. THEY NEVER WORK UNLESS YOU DO.

FLORIDA TRAFFIC ROUTING GUIDE

Many of you who donated to the Florida Traffic Routing Guide are probably wondering what happened to your donations. Be assured, they are still sitting here at our SKIP Office. The reason is, Ron Mettler, WB4GHU of Deland who will be the new Editor of the Guide, informs SKIP that he has been bogged down with other work. Ron informed Ye Editor he will have it completed at the end of May. After about a week or so at the printers, it should be ready to mail shortly thereafter. Bear with us... AC

WINTER TRAFFIC NET SCHEDULE

Time	Net Name	mHz. Freq.
0700	Florida Phone Traffic Net (FPTN)	3,940
0830	Gator Net (GN)	3,651
1200	Florida Midday Traffic Net (FMTN)	7,247
1700	Tropical Phone Traffic Net (TPTN)	3,940
1730	Florida Medium Speed CW Net	3,651
1800	FAST Net (Early Session)	3,940
1830	Northern Florida Phone Net (NFPN)	3,950
1900	QFN-The All-Fla. CW Net (Early Session)	3,651
2000	QFN-Slow Speed CW Net	3,715
2200	QFN-The All-Fla. CW Net (Late Session)	3,651
2230	FAST Net (Late Session)	3,940
0800	ARRL Information Net (AIN) Sat.	3,940

FLORIDA MEDIUM SPEED NET De AA4FG

3651 MHz

5:30 P.M. Daily

Check-ins and traffic for April continue to hold up well with an average QNI of 13.4 and an average QTC of 4.5. High QNI for the month was O.B., WC4D with a perfect score of 30! If you want to get traffic into Holiday, Tarpon Springs and vicinity, now you know where to bring it! O.B. was closely followed by Bill, WB4WYG with a QNI of 29 and Elmer, KA4NXF with 27.

Special thanks to Joe, N4KFU, Rip, AA4HT, and Cotton, KB9LT for their QNG during the month when the regular NCS was absent.

FMSN maintains liaison with NTS via QFN. QFN reps during april were WX4H, KB9LT, N4KFU, AA4HT, and WB4YQP. Reps from TPTN were AA4FG, KA4NXF, NY4E, WD4MLQ and KA4AMC.

We welcome back AA4BN, our net manager who was away on busienss for most of April.

All stations are invited to join FMSN. We especially need stations in Pinellas County and in Tallahassee. Net speed is 13 wpm, but NCS and all stations will answer you at your sending speed if lower.

FLORIDA PHONE TRAFFIC NET

By Bill, WB4WYG

Check-in for the month of April was 1,344 — topped only by probably NFPN. The 1,000 check-in was Herman, WB4FJY, of Orlando. Congratulations Herman, this month you have the "Golden Cookie", and a very well done to others who have made these totals possible, and a pleasant way to start the morning.

Some news of our folks: W4GUJ, John is now back in High Springs and helping out with traffic in the Gainesville area. N4EOW, Don and wife Bobbie are very recently back in Florida waters and will soon be back on dry land in Ft. Myers Bch. WD4COL John, is having a hard time keeping an antenna on his van; for some reason they keep breaking off. W4WYR, Evelyn has been in almost every morning short of time due to many home improvements in the process of completion. WB4SOU, Ginger is also having some home construction and will have to relocate the radio. WD4PGS, Sue keeps the net amused with funny happenings of the animals around the farm. W4SME, "Doc" will be leaving these sunny shores soon for the cooler regions of the coast of Maine. Safe traveling "Doc" and stay in touch as long as you can.

Much of the success of the net is due to the faithful check-in of those regulars who are there 80% or better:

100% — WB4ADL, W4BCZ, W4BKC, K4BLM, KI4CQ, KA4DCA, WB4EXA, WN4IIV, WA4JDH, KD4KK, KA4NXF, K4SJA, WB4ZVD.

95% — K4BZS, WD4DAH, WA4EYU, WD4FNX, N4KFU, WA4QXT, W4SME, KA4TTS, WB4TZR, WB4WYG.

90% — K4EJW, WA8SCK.

85% — WA4EIC, WX4H.

80% — N4EOW, KB4FIY, W4KKR.

N.C.S. — Liaison stations and all who check in make a net, so thanks for the part you play in F.P.T.N. at 7 A.M. on 3940 — Hope to see you there.

GATOR NET

By Cotton, KB9LT

3651 KHZ at 8:30 A.M. local time

Gator net traffic was down slightly from March so guess we are going into the summer doldrums with lots of people gone north for the summer.

We welcome N2A0X, Dick in Daytona Beach who checked in 11 times during April.

Would like to see more people QNI on Gator Net, especially in the Tampa area and Gainesville and Lake City areas, but all are welcome. I get the excuse from some that I talk to that they are afraid they can't copy the bugs on GN, but I promise the bugs won't bite. Stations with 10 or more QNI were K4TH, W3CUL and WA4JDH 30, KB9LT 29, WX4H 25, K4JI, KF4U and KY4U 24, WA4EYU 21, N4ET, WF4X and WD4IIO 18, W4KLY 13, and N2A0X 11, and 20 stations QNI less than 10. WX4H was NCS 5 times, NY4E, W4IYT, KB9LT, KF4U, each 4 times and N4ET, K4JI, WF4X each 3 times.

K4TH was our QFN rep. 11 times and WD4IIO 4 times.

Thanks to all for your continued support of Gator Net.

73, Cotton, KB9LT



The Spring Hill Amateur Radio Club (SHARC) furnished 2-meter communications for the Spring Hill WALKAMERICA on April 20. The walk, in it's first year in Spring Hill, raised over \$2,000.00 to help fight birth defects. L to R: N4EPI, N4EPM, W1OOR, N4EBH KB9LT/NCS, KA2OGG, KB4IJY, N4GEL, W9QYB, WA8CFP and AK1M who took this photo. Congratulations gang and hope you can do it again next year.

QFN NEWSLETTER

By Ed, K4IA

3651 KHz at 7 & 10 P.M.

The actual traffic count for QFN for the month of April is being completed by STM K4ZK due to my absence at the beginning of May. The apparent drop is about 20% from that of April. Other statistics are in about the same ratio.

Band conditions have been deteriorating for the summer, making traffic handling difficult on many days.

Stations listed in order of total net activity, as follows: WA4PFK, K4ZK, W4NFK, WX4H, WF4Y, and KB9LT.

In reading the Net News in Florida Skip it is evident that a great amount of traffic is being handled by the SSB nets which outnumber the cW nets by more than two to one. Therefore, many of the fine operators coming to QFN as liaison are dually proficient with both code and voice message handling technique.

Here is a list of these operators: N4DY, NY4E, WA4EIC, W3EUK, AA4FG, KA4FZI, WB4GHU, WX4H, AA4HT, N4KFU, KB9LT, W4NFK, WA4PFK, AF3S, K4SCL, K4TH, KF4U, K4VND, WF4Y, KM4Y and WA4YQP.

Hopefully, no one active in this category has been overlooked.

73, Ed K4IA

A PARROT IS THE ONLY CREATURE GIFTED WITH THE POWER OF SPEECH THAT IS CONTENT TO REPEAT JUST WHAT IT HEARS WITHOUT TRYING TO MAKE A GOOD STORY OUT OF IT...K1GGP

FLORIDA SKIP WORD SEARCH

The following words are contained in the following matrix, Can you find them?

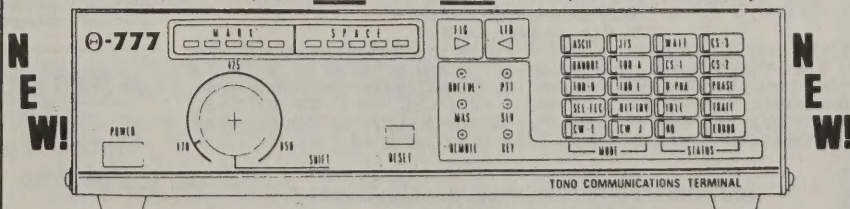
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K F W A D I R O L F
E S H A M S W E F B
W U R J K G F W K Q
D D T I R X Y H R C
L M P Y F Y Q D A K
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A 5 0 1 Q B W C S K
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By K4AHR

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CLUB NEWS

GULF COAST AMATEUR RADIO CLUB

By Harry Matus, N4DWY

Another Super-Walk for the March of Dimes has passed with the help of the G.C.A.R.C. and other amateurs lending their support in radio communications. Well, let's start out with what happened during the night or early morning. Seems that somehow the club repeater went Kaput. At the start when we were to get together we found out we had no repeater to work with. Then I called KT4Q Art to see what happened. Lo and behold, we found out we had a power failure. Next best thing to do was to get everyone that had the same frequency so we could go on simplex. All went fine with relays in-between. The power failure didn't bother us because we couldn't get into the building which is owned by the county. It's closed on weekends.

It proves that we can get things done and was a good exercise in case of a disaster. Some of the operators were ARES, RACES and other hams.

The march was o.k. except for a few minor things that weren't supposed to happen, such as no water, etc. The checkpoints weren't covered by the March of Dimes people, so we went into action and got everything to work out fine.

All the credit goes to the hams listed as follows: Dan WB4TZR Net Control, Harry N4DWY assisting and floating around in the station wagon. Lou WB4EKR, Walt KE8O, Joe WD4HOX, Grace N4JJD, Art W3FAT, JOHN WD4MWH, Dale WB4PEI, Howard K4FMJ, Bob WB4WGD, Bob KB8YO, and Carl WX4R that helped Dan at net control while Dan was setting up a booth in the Mall for Mother's Day messages. Roy WB4TVQ scooting around on his motor cycle.

So all in all it took about six hours. After that was chicken, hot dogs and soda. Some of the walkers were tired after the 10.1 miles of walking. 73.

FELLOWSHIP AMATEUR RADIO CLUB, INC.

By Zelma Shaw

At the April meeting we welcomed new members K4HBR, Bill; WQ4D, Frank; KA4IQI, Larry; K4MGX, Barry; K4DI, Gerald; KB4CZE, Stan; and N4LGE, Chris. See you at the meeting.

Marty, NL7EU, is host to a new net on 147.975/375 on Thursday nights at 7 p.m. except club meeting night at 6:45. This is a VHF-UHF Microwave Enthusiast's Net. He wishes all to check in and learn from it. You don't need to be a member of Fellowship to participate.

A film was presented on the March Walk-A-Thon. It was filmed and edited by Andy Clark, Jr., KA4MHL and narrated by Andy Clark, W4YIT. It was enjoyed by all.

K4HGQ, Walt, has a code class from beginners on. He lives in Miramar. Contact him through the club address in the Skip club directory.

President Kelly asked for volunteers for disaster manning of Parkway General Hospital. A total of nine persons answered the call. We are a service minded club.

Friends, remember the Compu-Net on Tuesday nights at 7 p.m., VHF-UHF net Thursday at 7 p.m. (on 147.975/375) and the SWAP net Wednesday at 7 p.m. The two are on 147.975/375.

Quip: Time may be money, but that doesn't mean you can take a lot of time to pay your debts.

HILLSBOROUGH AMATEUR SOCIETY

By Charlie Walker, N4KRT

At our March meeting, the program was given by Ray Murphy, W4BNE, who discussed solid-state oscillators and amplifiers.

Congratulations to members who have recently upgraded: Gerry Kamen, KF4DD, and Jim Simpson, KC4PI, to Extra; Mike Namey, N4LAL, Charley Walker, N4KRT, and Ken Watts, WA4NSV, to General Class.

Dick Berg, N4BLH, has been elected Trustee of the club's 2-Meter repeater to replace Ralph Larkin, AA4PM.

Sammy Bugica, KY4G, and Rickey Maseda, WA4WEB, have been assigned the 224.12 MHz frequency for their new repeater. They expect to have it operational by the end of the month.

The club's Novice-General course will begin on June 6, 1985. The classes will be held at the Forest Hills Recreational Center each Thursday at 8:00 p.m.

HERNANDO COUNTY ARES

By Al Lautenslager, KA4WLO

A.R.E.S. is still growing. Four new members signed up at the last meeting of HCARA. The Walk-a-Thon for the March of Dimes was a success in spite of the intermittent rainfall. Thanks to the following amateurs who took part in this worthwhile program. Elber KA4SHX; WB4TPG Dave; Al KA4WLO; Bud N4GEL; Bob K9AJN; Bill N4LSI; George W9QYB; Fred WB8TVT; Chuck N4JXJ and Bob KA1ADU. We wish to thank the Spring Hill ARC for a job well done for the Walk-a-Thon in Spring Hill.

SOUTH HILLSBOROUGH AMATEUR RADIO KLUB, INC.

By Kay Anderson, W8DUV/4

Top of the news for April is the beginning of our new Novice Class. Lou, WA8BUX, called all the people who had indicated they wanted to be hams. Tuesday seemed to be the favorite meeting day, so Tuesday it is. Andy, WB3IEB, found a meeting place at St. John's Church on SR 674. Textbook is the ARRL Tune In The World package. Theory teacher for the first two classes was Ed, W8DUW. Code was demonstrated by Ed, K4PT. Club members almost outnumbered the students — Bill, W4ABV; Fred, W4MJX; Andy, WB3IEB; Lyle, KC4LF; Bill, N4KPV; Howard, N4KPU; Lou, WA8BUX; Ed, K4PT; and Ed, W8DUW. Students are: Jeannette Doyle, Lisa McKechnie, Steve Fritch, Harold Pugh, Dan Gates and Russell Cook. Let's help these guys and gals become OM's and YL's so they can have as much fun as we do with radio.

At the March meeting we were treated to a presentation by Tom Morganni, W5FMO, of New Orleans. He showed the ham station exhibit which he helped set up at the World's Fair last year. It was quite impressive.

Another visitor to the March meeting, Dave Cowdrick, an engineer with TECO, suggested a future program for the club might be a tour of TECO's new plant. Henry, KC4BJ, will arrange.



Presidents of the PELICAN QCWA CHAPTER. L to R. Lew Sieck K4NE, (1981); Jack Mandel, W4PLW (1982-83); Jack Whitley, W4CZS, (1984); and Phil Stern, WA4ZVO (1985.) Good Job men.

SOUTH FLORIDA FM ASSOC., INC.

By Richard J. Martone, N4ALR

Attendees of the SFFMA picnic at Tropical Park on the 20th of April, were treated to a beautiful, sunny day, for the activities that occurred. There was a packet radio demonstration in a mobile environment, a hidden transmitter hunt; volleyball was played and horseshoes.

We are anticipating the viewing of the TV program on "Communications for Public Service Events," concerning the March of Dimes Walk-America 1985, at the next club meeting for the month of May, produced by the Dade Co. A.R.P.S.C.

If you would like to visit us at an upcoming meeting, you are welcome to come. For details please see our listing in the Florida Skip Directory.

CLEARWATER AMATEUR RADIO SOCIETY

By Eli Nannis, K4JMH

There were 43 members and guests at the club meeting on April 11th at the Red Cross building in Clearwater. The program was put on by the writer of this report and it was a slide show on the many products of the National Radio Co. which made most of the amateur equipment some years ago. The bulb in the slide projector blew at the start of the show but Dave, K4EWC went out and purchased a new bulb as the show must go on.

It was voted to buy a crystal filter for our 2 meter repeater on 37/97. Alan WB4ZVO advised that it would considerably improve the performance of the repeater. We also purchased several AC outlet surge protectors for our equipment. We will also insure all our equipment with the ARRL insurance program.

A picnic will be held on May 19th at Taylor Park, Largo. Our club has joined the Florida Repeater Council. Charlotte WB4PEL gave a report on the public service events which are many and requested help from our members.

FIELD DAY DATES.

There is some confusion over the dates for Field Day this year. Field Day will be the weekend of June 22-23, 1985.

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GAINESVILLE AMATEUR RADIO SOCIETY

By Walt Johnson, W4TKE

Red Cross Disaster Training was given by W4KFA, Disaster Coordinator for Alachua County and Chuck Smith, Disaster Coordinator for Marion County. Gainesville area HAMS received training in: Introduction to Disaster Services, Shelter Management and Damage Assessment. The HAMS attending and receiving cards for the above are WA4UFO, KQ00, W40QX, W4TKE, WD4LOE and NR4H. This was very interesting and I hope more take part in Red Cross Activities. After all, the ARRL is listed in the Red Cross Disaster Plan.

A race (foot) was held April 20th. N4EC took care of getting communicators. Those known to have helped were: WD4GOR, WA4UFO and N4EC.

WA4HFR GOES-W Weather Machine on 70 cm is doing great, more later on this.

GARS still working on 22-82 repeater upgrade. Repeater Director, WA4HFR is taking donations from members for new feedline, antenna and bracket. Need MUCHO money.

NF40 is doing a great job on amateur licensing program.

W4JKE took over Ace Reporter from KC4UF. KC4UF did a great job with club paper during past couple of years. Hats off to Mike and loads of luck to Chuck.

An auction will be held in Lake Butler by the Sheriff's Office. Selling a lot of HAM gear that was confiscated. I will try to get there to see who buys it. Should be very interesting.

We still carry the shuttle communications 24 hours a day on 22-82. I pick it up from KJ4AN 5.390 or K4GCC 6.940. It is not good during the middle of the day because of the distance. Thanks to K4GCC and KJ4AN for handling the communications and working with me.

FT. MYERS AMATEUR RADIO CLUB NEWS

By Earl Spencer, K4FQU

Well, guess I goofed last month and almost did it again this month. But better late than never. Didn't have that much to talk about last month anyway. . . . Our club meeting went very well with 100 people attending which is good for this time of year. The program was about fibre-optics and the telephone system and was very interesting. We also lost our Sect./Treasurer and elected a new one. So thanks to Bill and Mert, KA4MBR-KA4MFL and welcome to Pint and Nell, KA4YHE-KA4YHF.

We are in preparation for Field Day coming up next month and are going to have our annual Picnic DAY May 11th and are having a transmitter hunt in the morning before the picnic. It will be fun I'm sure, and we will report on it next month.

The club rolls are getting shorter as the days go by with many of our members moving back north for the summer months. We will miss them but they will be back in the fall and after all, they are the ones that have to suffer going north while we get to stay in beautiful Florida. . . . So ya'll drive careful and hurry back. 2-meters is already getting quieter. See ya'll next month.

FLORIDORA YLS

By Cathy Soehl, W4BAV/ARNs

K4IHW-Sylvia was given "Special Recognition," being among those receiving their 45-years of Continuous Membership in YLRL.

WB4YTL-Tommie had double by-pass Mar. 30th; went home Apr. 5th; same day OM, KA4WON-Ed admitted in Navy Hospital with pneumonia.

WB4SOU-Ginger is known on the Fla. Phone Traffic Net as the "spice" of the net. Nice going, Ginger, doing great job.

W4HRC-Little Bo received her YLRL 30-yr. sticker, Continuous Member. Sister-Marie in Mass., so Bo home for short visit.

W4LKM-Annette advises have not turned on a rig for 3 years; kept so busy since moving to Winter Haven. Get on and talk to us.

W8DUV-Kay writes "Shark Tales" (So. Hillsboro A.R. Klub) column in SKIP; OM,

W8DUW-Ed is Pres. of Klub. Congrats to both.

WA4IWM-Lou, So. Venice, so no damage from tornado that hit Venice Gardens. KB4ELQ-Alma lost tower, all antennas and roof damage, which resulted in ham shack flooded 2 days later.

N4FOG-Phyllis enjoying DXing; got thru to Hungary and Baltic hams. Nice work, keep it up, Phyllis.

KA4TZ-Marge recovering from her fall and operation on her knee; cast off, exercising and taking therapy. Take it easy and good luck.

W4GXZ-Blanche and OM, W4COW-Wes left Apr. 28th for their Summer home in N.H. Good trip. Folks, miss you and hurry back.

WB4JH-Angie's OM, W4ILE-Regis received his Golden Anniversary Award, having been licensed from 1935. Gotta' hurry, Angie to catch up with him. Have you finished the quilt yet?

MANATEE AMATEUR RADIO CLUB — K4GG

By Bob Clayton, K14MM

O.P. Tucker, K4OOD, presented a unique program at the May meeting. Tuck played and narrated a tape on amateur radio communications from the Pope's visit to Peru. It was recorded from the International Mission Radio Association (IMRA) net, of which Tuck is a member.

Our club is fortunate for the excellent publicity it is receiving. Tuck spoke to the Palmetto Rotary club. Harry Stewart, AA4IB, our newsletter editor, spoke about ham radio at a luncheon. Ed Ropke, WT4B, our president, will speak to the Colony Cove Security group June 5. Recent newspaper stories featured Barry Yoder, W8SJO, and Tuck.

Ed, also EC of ARES/RACES, attended a national hurricane preparedness conference in New Orleans. Radio communications and other emergency aspects were discussed.

VEC exams will be given June 8 and August 24, 10 A.M. to 2 P.M., at St. Joseph School, 3100-26th St. W., Bradenton. Walk-ins are welcome.

New extra class upgrades to be congratulated are Jim Smith, KD4YD, and Dennis Hastie, KA4TNW.

CLOVER LEAF ARC — WD4HIO

By Regis K. Kramer, W4ILE

Our club is the proud owner of a Commodore-64, video monitor and a 1541 disk drive. We have joined the Florida Amateur Digital Communications Association (FADCA) as a club group. A Terminal Node Controller (TNC) is our next "step" in the Packet-Radio venture. We postponed our purchase until the "Packetfest" up in Gainesville at U. of F., June 15 and 16.

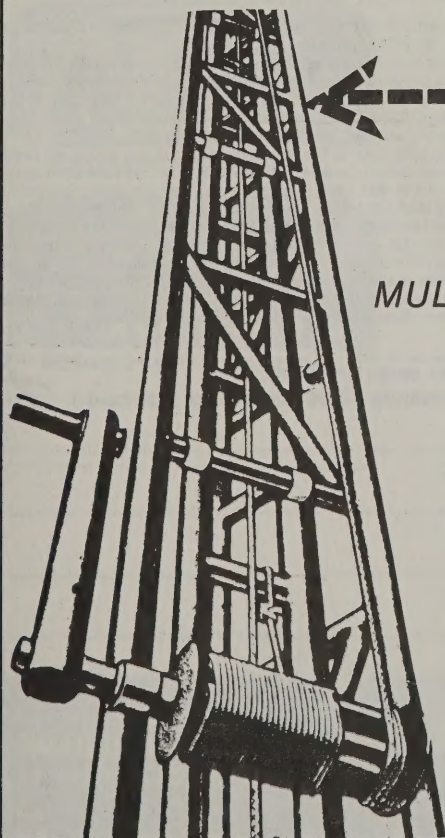
Congratulations to George Fenning, WD4FNX. George upgraded to Extra class. Also, Lorne Bowers, KB4JNA, upgraded to General class. WILKY "Hack" Jones and XYL Helen are now permanent residents of the "Farms." Heretofore, Hack has been a "winter" resident in Clover Leaf Forest our RV section.

The club is in the process of filing with the IRS as a non-profit organization. They don't make it very easy to do! However, better than sending our traffic from the "jailhouse."

Roy Mackey, N4ADI, was invited to our May meeting to explain and talk to us about the ARRL Special Service Clubs. Roy was very enthusiastic and we enjoyed having him. We have applied for SSC and waiting to see how we come out!

WD4HIO had a good traffic season. Seems that our traffic increases each month by 70 to 100 percent over the prior year/month.

If any of you Florida Folks are interested in joining us here at Clover Leaf . . . the doors are open. We meet the 2nd Monday of the month 7 P.M. at the Clover Leaf Visitors Center. See ya'll on Field Day!



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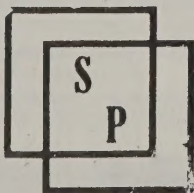
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AMATEUR RADIO IN SARASOTA By N4EWR

St. Patrick's Day, March 15th, 1985 — a day we will never forget. At about 4:30 A.M. a tornado surprised everyone in the Venice area by hitting a major shopping center destroying many businesses, and a section of homes. Forty-one people were injured and two were killed. Hams were on the scene within minutes providing communications for the Red Cross, Civil Defense and others. N4ET, Don, had lots of damage to his home and the winds wiped the top of his tower clean. So, if you happen to see any beams lying around your yard, they might belong to him — he hasn't found any of them yet.

W8FKL, Lloyd, WD4NKZ, Ken, were there for many hours proving along with many others who were helping and standing by providing much needed communications. N4HAP, WB3EMQ, N4AJC and KC4MA all were at the Red Cross shelter running their communications. KB4EYH, at home was our liaison with Civil Defense through our radio link on 155 Mhz and sped up communications direct from the scene of the EOC. A job well done — everyone was impressed with the proficiency and the professionalism of the amateur community.

April 2nd we held a special - all club - all amateur - A.R.E.S. Weather Watch meeting with about 50 persons attending. Speakers were Fred Crosby of NWS, Gregg Feagans, Director of CD, and Lt. Stookey of the Sheriff's Dept. We all learned a lot about NWS and how we can effectively run and help the NWS with a weather net which Ed Martin, K14ZJ, will be handling in our county. Ed will handle the training and education of the hams and we will be working closely with NWS and the CD people to provide up to the minute severe reports and sightings.

On April 16th, plans were finally announced of an official role that hams will play in our county. Working with CD in various and special ways, and providing communications with them, Red Cross and others. We are also becoming part of the county Crime Watch system to give us credibility and direct training and input to the police agencies. It is hoped that ALL hams in the county whether they belong to any club or not, participate. Contact the E.C., N4EWR, Lou, at 371-6830 evenings or 921-3648 days for more information on any of the above.

DUNEDIN AMATEUR RADIO ASSOCIATION

By Ruth Hoffman, N4LMC

The Dunedin Amateur Radio Association wishes to express a very special thank you to David Wetson and Paul Casiere of Gulf Stream Cable Vision for demonstrating and explaining the sophisticated equipment used to produce and show cable T.V. films. There were 21 present and two first-timers.

DARA is a club with a heart and we encourage visitors to come and be a part of our association.

Our next V.E.C. examination date will be May 22, Wednesday at 7 p.m.

Congratulations to Bob, KE4PG upgraded to extra; Carl, N4LAR upgraded to general and to Del, KB4EGO upgraded to general.

Many others upgraded, as well, and we are equally proud of them.

Our May meeting is to be a family get-together and for further info call or write N4LMC, Ruth, 447-6091.

HERNANDO COUNTY AMATEUR RADIO ASSN.

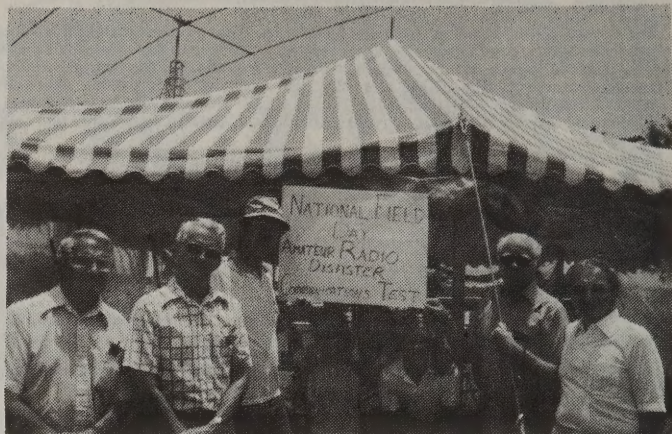
By Al Lautenslager, KA4WLO

The Hernando County Radio Assn. is pleased to announce that it recently graduated a class of nine Novices. Instructors were Lee Kent, WA3YMV and Pat Brayton, WB4EXA. The class comprised six gals and three fellers. The gals were as follows: Amy Downey, who just happens to be thirteen years young, Dawn Mc Connell, Diana Stockton, Betty Edgerton, Donna Nemcovic, and Judy Rountree. The fellers are: Frank Gillis, Kevin Rountree, and G.E. (Mac) Mc Dougle.

We are all hoping that Chuck Gilman will be home soon. Chuck has had a run of illness and at last word was in the Tampa hospital for special care. Several members upgraded recently. Among them are: Judy Brayton, KB4BFB and Marge Royann, KB4JWE. The gals became Technician class licensees! Denny Hennequin, KB4GEO upgraded to General Class and Geo. C. Granger, formerly KA4YFZ, upgraded to Advanced class and now has a new call KJ4BP.

Dave Edgerton, WB4TPG, is in charge of setting up the field day exercise this year. We understand that the Brooksville Fire Dept. property has been approved as the location this year. Participation should be better than last year with the inclusion of the Novice group. Pat and Judy Brayton, WB4EXA and KB4BFB are handling the food and refreshments.

The membership has been advised that an ordinance concerning antenna restrictions is currently being considered in Hernando county. A committee has been appointed to represent all clubs within the county that would be affected by such an ordinance. At last report, we understand that the needs of amateur radio will be taken under consideration before any definite steps are taken which could hamper the efficiency of amateur radio communications in the case of emergency situations. We hope to have a favorable answer in the near future.



Delayed Field Day Photo of the Daytona Beach Amateur Radio Assn. Sorry no names or calls were supplied with this photo sent in by Jack. It looks like they had a good time. (Please - when you send in photos give calls of people in photo and where and when it was taken. Editor)

ST. PETERSBURG AMATEUR RADIO CLUB

By Cathy Soehl, W4BAV/ARN5

CORRECTION: N4BGS-Sam elected Director for City of Gulfport, not WD4KGY-Oliver, who lives in St. Pete. Sorry about that, Fellows. Sam busy as Fire Marshall of his building.

KB4LAE-Roger's YF broke her arm; doctor finally put it in a cast for 2 weeks. Hope you are coming along O.K. and not painful.

Travellers: W4LTE-Wayne and Marie in Israel. N4BGS-Sam and YF left for month in Israel and Spain and WB4PBF-Jack trip to Africa.

W4IRA-Herb went to the "Mutt Derby"; next day to the hospital, in IC, with internal bleeding; last report doing well.

KB3QS-Bob passed his extra license; is now KB3Q. K20HW-Ken, who passed last month, has received the call of AA4IO.

W4TJG-Betty and K4ISS-George's Son, WB4TJG-Mark and family are again being transferred from Texas, to Turkey for 3 years.

W4AKH-Emmett and W44TVL-Marge on trip to Dayton, Ohio, evidently for the Hamvention. Have fun, Folks.

WB4LXH-Ken and KA4CRS-Betty have a new all-band Kenwood; Betty received her Country Cousin Certificate and is also learning the organ. What a busy girl.

W4FKN-Hank has a piece of property in Brooksville area, looking forward to moving up there when YF retires.

W1MXT-Doc bid us goodbye, as flying back North; be back in October.

KNIGHTS OF THE KILOCYCLE

By Phil McMasters, W4BCZ

The Knights and their Ladies had an unusual experience on the Last Sunday of April. With more than half a century of nets at 7:30 A.M. local time each week except when no operation was allowed during the War years. With WG4I in Asheville to relay Earl, W4NG, our Master Oscillator, froze the roll for the session and only an invocation by the Chaplain was given. An activity we do not do without. FLORIDA WAS SKIPPED!

Although we are Old Timers, with none of the founders calling in any more, we have a lot who would be on top of the roll call all the time if we had not put a five time limit on that honor. My reason for writing this is that we also have a time limit for your comments of two minutes, so a roll of more than thirty can pass in fast time. We sent out our last get well card to W4NG, our Master Oscillator when he had to go to the Hospital for repairs in March. We seem to be a healthy lot or else we hide the fact that we see a doctor from W4BCZ, who meets the Friendly Florida Fone Traffic Net every morning and the Tropical at 5 P.M. to get the news of who is ill. (YOU DON'T HAVE TO BE IN A HOSPITAL. A TRIP TO A DR. IS ENOUGH). I want to compliment W4BKC Hal for his help in letting me know about SKs and Ill members. Keep up the good work, and others join him. 161

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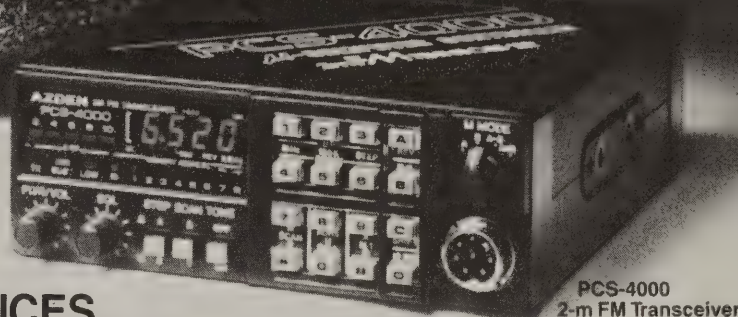
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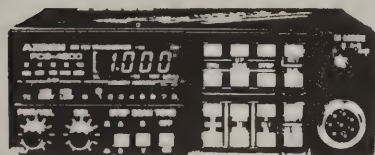
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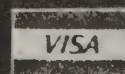
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STRUCTURAL ANALYSIS OF FCC AMATEUR QUESTIONS

By Carl S. Zelich, AA4MI

The purpose of this analysis of FCC amateur radio questions is to determine the different areas of expertise required for each class of amateur radio license. The following information is derived from an analysis of all one thousand six hundred (1,600) questions in the FCC amateur radio question pool.

First, the current Amateur Radio Licenses and their required test elements are:

TABLE 1

LICENSE	CODE	WRITTEN ELEMENT
Novice.....	5 wpm	2
Technician.....	5 wpm	2,3
General.....	13 wpm	2,3
Advanced.....	13 wpm	2,3,4A
Extra.....	20 wpm	2,3,4A,4B

The FCC allocates the 1,600 questions as follows:

TABLE 2

ELEMENT	NO. OF QUESTIONS
2.....	200
3.....	500
4A.....	500
4B.....	400

These 1,600 questions are further analyzed into 9 general areas of knowledge. These are:

TABLE 3

AREA	SUBJECT	AREA	SUBJECT
A.	Rules and Regulations	F.	Circuit Components
B.	Operating Procedures	G.	Practical Circuits
C.	Radio Wave Propagation	H.	Signals and Emissions
D.	Amateur Radio Practices	I.	Antennas and Feedlines
E.	Electrical Principles		

Now let's take a look at how many of these 1,600 questions are used in each of these 9 general areas. Use the letters from Table 3 above to identify each general area here.)

TABLE 4

General area	No. of Questions	%	General area	No. of Questions	%
A	300	18.6	F	150	9.4
E	240	15.0	H	140	8.7
I	190	11.9	C	100	6.3
G	190	11.9	B	100	6.3
D	190	11.9			

I've arranged the above in order of greatest to least percentage. This table tells you that the FCC will ask you 3 times as many questions about A (Rules and Regulations) than about B (Operating Procedures) or C (Radio Wave Propagation). This means that if you're SMART, you will study Rules and Regulations 3 times harder than either B or C! In other words, Study harder what is required rather than studying what is less important. But wait! Before you go running off with this new found knowledge, there is even more information that can be analyzed from these questions! The FCC does not administer all 200 questions as shown in Table 2, Element 2 for the Novice class license. The following table shows how many questions of each type are contained in each element. These elements are arranged by the percentages within each element.

TABLE 5

-2-			-3-			-4A-			-4B-		
No.	of ?	% Area	No.	of ?	% Area	No.	of ?	% Area	No.	of ?	% Area
7	35	A	9	18	D	10	20	G	8	20.0	A
3	15	E	9	18	A	10	20	E	7	17.5	E
3	15	D	7	14	I	6	12	H	6	15.0	G
2	10	I	6	12	C	6	12	F	5	12.5	I
1	5	H	6	12	B	6	12	A	5	12.5	F
1	5	G	4	8	H	5	10	I	3	7.5	H
1	5	F	4	8	E	4	8	D	3	7.5	D
1	5	C	3	6	F	2	4	C	2	5.0	B
1	5	B	2	4	G	1	2	B	1	2.5	C

The following is the required number of questions that you must correctly answer to pass each element.

TABLE 6

Element	Correct Answers	Element	Correct Answers
2	15	4A	37
3	37	4B	30

Now, let's apply the above statistics so that you can study smarter. Suppose that you're a "General" and wish to become an "Advanced." Look at Table 1. There you will find that you must pass Element 4A. (You already passed Elements 2 and 3 when you got your "General"). Next refer to Table 6 and locate Element 4A. The correct number of questions you need to pass is 37. Next to Table 5. This shows you the areas of interest for 4A. If you add up the total questions for Areas G, E, H and F, the total is 38. What this means is if you study only 5 Areas and know them 100% COMPLETELY, you can pass without knowing anything about Areas I, D, C and B! I DO NOT RECOMMEND THAT YOU IGNORE THESE OTHER AREAS. It would be foolhardy to do so! But, you now know WHERE you must spend your greatest efforts in studying to improve the statistical odds in your favor. Study smarter, not harder. This analysis is valid only for the near future. The FCC will periodically issue a new set of questions for each of these Elements. Good Luck!

(Ed. note: Refer to April, 1985, Florida Skip to obtain study materials.)

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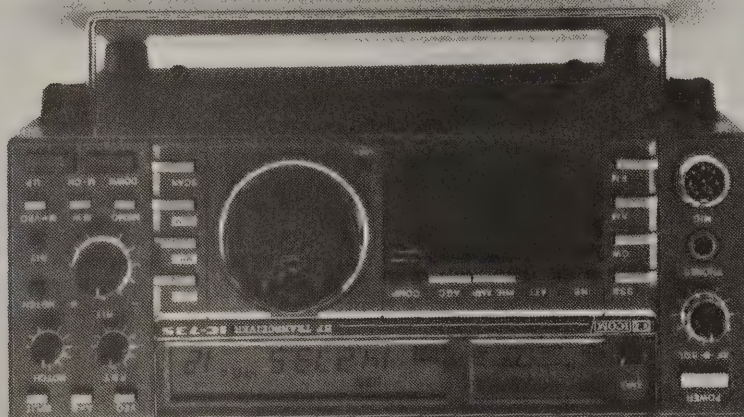
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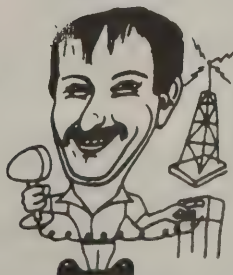
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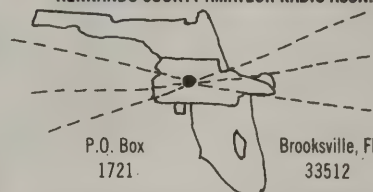
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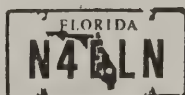
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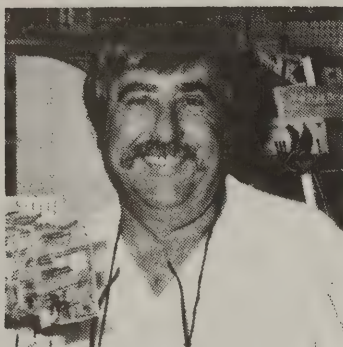
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AMERICAN RADIO CLUB. WD4MXF/R 146.13/73 Bilingual RPTR. Club meets 1st Wed. ea. month. HF tlc 14290 Tue. & Thur. 9 to 10 P.M. Mail: P.O. Box 3576, Hialeah, FL 33013.

AREC REPEATER GROUP, Inc. WA4ARE/R 07/67 R. Brunner, Treas., 4072 Sussex Ave., Lake Worth, FL 33461. Breakfast 9 A.M. Sunday at Clock Restaurant, N. Dixie, Lake Worth. All amateurs welcome!!!

BRANDON AMATEUR RADIO SOCIETY, WB4BJM. Meets 3rd Thurs., Apostles Lutheran Church. Nets Mon. 8 P.M. on 147.165 Wed. 8 P.M. Novice CW 21.165 9 P.M. phone 28,765. Mail: P.O. Box 542, Valrico, FL 33594.

BROWARD AMATEUR RADIO CLUB, Inc. W4AB. W4AB/R 31/91. Meets 2nd Fri. 7:45 P.M., Red Cross Bldg., Ft. Lauderdale. Mail: Jan Lorah WB4KOC, 2407 Flamingo Ln., Ft. Lauderdale, FL 33312.

CLEARWATER AMATEUR RADIO SOCIETY, W4DPH 146.37/97 WB4V-ZY 224.34/94. Meets 2nd Thurs ea month 730PM, Red Cross Bldg. 624 Court St., Clearwater. Net ea Wed 8PM 146.97. Mail POBox 7388 Clearwater 33518.

CYPRESS CHAPTER of Ten-Ten International. Meets Wed. 8 P.M. on 28,665. Covers E.-Central FL K4TSY Chapter Head. For certificate work 5 holders, send along info & \$1. to Bob Lucas K4HTU, RD 3 Box 2630, St. Cloud, FL 32769.

DADE RADIO CLUB, Inc. W4NVU. Meets 1st Tues., Museum of Science, 8 P.M., 3280 S. Miami Ave., Miami. Mail: P.O. Box 350045, Riverside Station, Miami, FL 33135.

DAYTONA BEACH AMATEUR RADIO ASSN. K4BV & K4BV/R 147.15. The Friendliest Rptr in FLA! Meetings 3rd Mon., ARC Daytona, 341 White St., 8 P.M.. C'mon & bring friends. Mail: P.O. Box 9852, Daytona Bch. 32020.

EVERGLADES AMATEUR RADIO CLUB. W4SVI/R 146.235/835. We meet 2nd Fri. ea. month 8 P.M., Dade Co. Agricultural Bldg. 18710 S.W. 288 St., Biscayne Dr. at Redland Rd., Homestead 33030.

FELLOWSHIP AMATEUR RADIO CLUB, Inc. Meets 4th Thursday at Ingalls Park Recreation Center, 735 SW 1st St., Hallandale 730PM. K14GH. R 147.81/147.21/East, 147.975/147.375/West. Mail: Box 680284, No. Miami FL 33168.

FLORIDA AMATEUR DIGITAL COMMUNICATIONS ASSOCIATION (FADCA) State-wide packet radio organization. 812 Childers Logo, Bradon, FL 33511. (813) 689-3355. Net every Sunday, 8 A.M., 3958 kHz.

FLORIDA GULF COAST AMATEUR RADIO COUNCIL, INC., P.O. Box 157, Clearwater, FL 33517.

FLORIDORA YL'S, W4FE. Pres. KA4MEW, Vice Pres. WA4EDL, Sectry WB4AUR & Pres. W4WPD. Nets: Tues. 9 A.M. 3933 and Mon. 9:30 A.M. 7285 kHz. All YLs and XYLs welcome to join us.

FORT PIERCE AMATEUR RADIO CLUB meets informally every Tuesday, 7:30 P.M., Room W-109, Indian River Community College, Virginia Ave., Ft. Pierce, Byrd Ford KA4GNX, Sec. Box 5, 33454.

GOLD COAST AMATEUR RADIO ASSO., INC., Box 505, Pomp. Bch., FL 33061-0505. Emerg Net Thurs. 7:30 P.M. W4BUG/R 146.22/82. Traders Net 8 P.M. WB4UFA/R 146.01/61. UHF rptr WB4RZS 447.2/442.2. Club meets 4th Mon. 7:30 P.M. Imperial Pt. Hosp., 6401 N. Fed. Hwy., Ft. Laud. Talk-in 61.

THE GOLDCOASTERS, Meets 2nd Mon. ea. mo. Pals Captain's Table, Deerfield Bch., 11:30 A.M. Additional meetings 4th Mon. during Jan. thru Mar. Open membership. Write: P.O. Box 2778, Boca Raton, FL 33432 Phone 421-6704. Net daily 14346, AT 9:15 A.M.

GREATER TITUSVILLE AMATEUR RADIO CLUB. Meets 3rd Mon. 7:30 P.M. ea. month at Titusville Chamber of Commerce Blvd. Mail: c/o W.R. Young, K4DQT, 3845 Catalina St., Titusville 32780. Rptr. 146.31/146.91 for other details.

GULF COAST AMATEUR RADIO CLUB. P.O. Box 595, New Port Richey, FL 33552. Meets 4th Mon. each month 7:30 P.M. at Colonial Hills Civic Assn., 87 Peacock Dr., NPR 146070/670 WA4GDN. All are welcome.

HILLSBOROUGH AMATEUR RADIO SOCIETY, Inc. WA4GJJ meets 4th Thursday 748PM Forest Hills Recreational Center, 724 - 109th Ave. North. Mail: Box 24602, Tampa, FL 33623 Info 884-7917.

HOLLYWOOD AMATEUR RADIO CLUB, Inc. WB4TON/R. 389/985. Meets 3rd Mon. 8:00 P.M. Rm. 238, So. Satellite Court House, 3550 Hollywood Blvd. Mail: P.O. Box 6306, Hollywood, FL 33021.

INDIAN RIVER AMATEUR RADIO CLUB W4NLX meets 4th Thurs. First National Bank, Merritt Isl. 7:30 P.M. Mail Box 5, Cocoa 32922.

INTRACOASTAL AMATEUR RADIO ASSN. 145.410 MHz, KA4SEJ/R. Dinner meeting last Wed. of month. Info: on air or KA4LAV, Stu 925-5321 days, Hollywood, FL

KEY WEST AMATEUR RADIO CLUB. W4LLO/R 146.34/94. Meets 3rd Mon. 2000 hours Old Monroe Co. Chapel., Jr. College Rd., Stock Island. Mail: KWARC c/o C.T. Gossard W3YWK, Rt. 2 Box 4028, Summerland Key, FL 33042.

LAKE AMATEUR RADIO ASSN. Inc. K4FC. Meets 1st & 3rd Thur. 8 P.M., Clubhouse, Springdale Ave., Bassville Park. Mail: Dot Favorite KA4MIL, 106 Island Dr., Leesburg, FL 32788: All Welcome.

MAGIC CITY AMATEUR RADIO SOCIETY. Meets 4th Saturday, 3rd floor, Conference Room, 2 P.M., Joseph Caleb Center, Miami. Details from: John Dillard, WB4WFX, Pres., (305) 633-5433.

MANATEE AMATEUR RADIO CLUB. Meets 1st Tues. 7 P.M. at Bradenton Downtown Library by Pier Restaurant. Info: Call Luther KA4MRQ, 747-8128. All persons welcome.

MARTIN COUNTY AMATEUR RADIO ASSN. K4NTA/R 147.060-600. Meets 4th Wed. 1930 Langford Park Fldhse., Jensen Beach. Mail: P.O. Box 1901, Stuart, FL 33495.

METROPOLITAN REPEATER ASSN. Inc. N4DKN 147.96/147.36: 222.34/223.94; 444.30/449.30 meets 4th Thurs. 7:30 P.M. Freedom Savings Bldg., 2230 E. Bay Dr., Keene Plaza, Largo. Mail: Box 1462, Pinellas Park, FL 33565.

NORTH FLORIDA AMATEUR RADIO SOCIETY, W4IZ. Meet 2nd Thurs. 7:30 P.M. Ed White Sr. Hi School, RM. 110, 1700 Old Middleburg Rd., Jax. Mail: B. Williams, N4UF, 9110 Rio St. Johns Dr., Jacksonville, FL 32211.

OLD OLD TIMERS CLUB (OOTC) net Sunday 2 P.M. on 7247 kHz. Info: Bob Bookwalter, W4NWF, 728 Valencia Rd., Venice, FL 33595. (813) 485-7928.

PALM BEACH REPEATER ASSN., Inc. 28/88. Meets 1st Tues. each month 7:30 P.M. Palm Beach Civil Defense Bldg., 3723 Belvedere Rd., WPB. All welcome. Membership available. P.O. Box 461, Lake Worth, FL 33460. Jim Schoech, WD4LHF, Pres.

PLATINUM COAST AMATEUR RADIO SOCIETY. Meet 2nd Mon. ea. month, Red Cross Bldg., 1150 S. Hickory St., Melbourne. Mail: Box 1004, Melbourne, FL 32901. Rptr. WR4AMJ 146.25/.85.

PLAYGROUND AMATEUR RADIO CLUB, W4ZBB. Meets 1st & 3rd Thur. 7:30 P.M. Clubhouse on 1st St., Ft. Walton Bch. Mail: P.O. Box 873, Ft. Walton Bch., FL 32549. March Swapfest. Rptrs. 146.19/79 & 147.60/00.

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC. Meets 8 P.M., 1st Fr., Red Cross Hq., 818 - 4th St. Mail: P.O. Box 4026, St. Petersburg, FL 33731. All amateurs welcome. Bring a friend.

SARASOTA AMATEUR RADIO ASSN. Inc. W4IE. Meets 3rd Tues., 8 P.M., Sarasota Co. Administration Ctr., US 301 & Ringling Blvd., 6th Floor lounge area. Mail: 3182, Sarasota, FL 33578. Join us!!

SILVER SPRINGS RADIO CLUB, Inc. K4GSO/R 146.01/.61 meets 3rd Mon. at 730PM, St. Pats Episcopal Church, 3803 NE 7th St., Ocala. Net Tues 730P (830PM EDT). Mail: Secretary, P.O.Box 3944, Ocala, FL 32678-3944.

SOCIEDAD INTERNACIONAL DE RADIO AFICIONADOS, INC. (SIRA) WB4ESB & WB4ESB/R 147.90/30. Mail: Box 524071, Miami, FL 33152. Bulletins on 3785, 7155, 141.55, 21255 & 29155 kHz. Emergency net 14205 and 147.510. Info & drill net Tuesday 9 P.M. thru repeater. Phone (305) 822-1688.

SOCIETY OF WIRELESS PIONEERS. Edison Chapter meets Sun. 2 P.M., 7055 kHz. Bill K4TF, CHOP. Info: Bill Willmot K4TF, 1630 Venus St., Merritt Isl., FL 32953. Transcon SOWP Net. Tue. & Thurs. 10 A.M. EST, 14115. Info: Sy, W4IKU, (305) 651-5385.

SOUTH FLORIDA FM ASSN., W4SGQ/R 146.16/76, WD4BVO/R 146.7/147.0 & WD4SFG/R 447.20/444.20. Mail: P.O. Box 4300-25, Miami, FL 33143. Meets 2nd Mon., C.D. Hq., 5600 S.W. 87th Ave, Y'ea Come!!

TAMPA AMATEUR RADIO CLUB, Inc. W4DUG. Meets 1st & 3rd Mon. 7:30 P.M. at Club House, Davis Isle, Columbia & Barbados. Mail: P.O. Box 10453, Tampa, FL 33679.

WEST PALM BEACH AMATEUR RADIO CLUB, Inc. W4HAW, P.O. Box 6834, Southboro Sta., WPB, FL 33405. Meets 3rd Sun. 9 A.M. VFW Post 4360, Palm Springs, East of Fire-Police Station. Info: 655-5766.

ZEPHYRHILLS AREA AMATEUR RADIO CLUB INC. Meets 4th Thur. ea. mo. 7:30 P.M. at Community Center at Lake on W 54. Mail: P.O. Box 1534, Zephyrhills, FL 34248. Come & bring XYL.

QCWA CALOOSA CHAPTER. Luncheon last Wed. ea. month 11:30 A.M., La Bistro Restaurant, 4515 Del Prado Blvd., Cape Coral, 3 blocks N. of Parkway on right. Info: D. Bowman, W4OUU, 5317 Colonade Ct., Cape Coral, FL. Phone (813) 542-4656. All Welcome.

QCWA CENTRAL FLA CHAPTER meets 3rd Sat. Noon, Sirlain Steakhouse 3105 Hwy. 98N Lakeland. Net 10 AM on 7243 kHz. Info: Notra Stoner, W4BGF, Secy, 525 W. Beacon Rd., Lakeland (813) 682-5390.

QCWA CITRUS CHAPTER. Meets 3rd Saturday each month 11:30 A.M. at Duff's Famous Smorgasbord. Intersection SR 436 & 434 "K" Mart Plaza, Altamonte Springs. Net meets 9 A.M. Saturday 3955 kHz. All Welcomed.

QCWA EVERGLADES CHAPTER. Meets 2nd Sat. SEpt thru Apr. Swiss Chalet Restaurant, 1870 N. SR-7 (441) Ft. Laud. Info See SKIP columns or call Cy Harris, W4MAQ, 11511 NW 33 St. Sunrise, FL33323 742-2154.

QCWA FLORALA CHAPTER. Meets 2nd Sat. (Sept. thru June) Noon, Western Steer Stake House, Ft. Walton Beach. Pres. Bob Miller, WD4FSC, Sec.-Tres. Bill Hord W4WIJ, 618 Pelican Dr., FWB, 32548. Net Mon. 7:30 P.M. CDT 146.28/88.

QCWA GATEWAY CHAPTER meets 3rd Sat. ea. mon. Uncle Johns Pancake House, Beach Blvd. Net 7230 kHz. Info: Florence Bogardus W4HRC, 5737 Luella St., Jacksonville, FL 32207.

QCWA GATOR CHAPTER. Tampa Bay area. Meets 1st Sat. Noon at Chief Charlie's Restaurant on Route 580, Dunedin. Weekly net Sat. 9:15 A.M. on 3920 kHz. E. Nannis, K4JMH, 14996 Imperial Pt. Dr., No. Largo, FL 33544. All Welcome.

QCWA GULF COAST CHAPTER meets 1st Tue for lunch & informal meeting 11:30AM at different restaurants in New Port Richey area. Call A/C813 Charles, W2LRJ 847-5059; Harold, W2JKB 863-8617; Al, W2EKO 863-3637 for location. Guests & prospective members always welcome !!

QCWA HIGHLANDS COUNTY CHAPTER (121) meets first Sat 9AM for breakfast, Western Sky Stake House at Tower, Lake Placid. Pres. N4XV 465-5367. N4BIS, Sectry 385-7271. W8HSB, VP. All Welcome

QCWA PELICAN CHAPTER, St. Petersburg. Meets 3rd Wed. Noon. The Publication Restaurant and Lounge, 1190 34th St. N. Net meets Sat. 3930 kHz at 10 A.M. Info: A. Monsees W4BK, 1255 Pasadena Ave. S., South Pasadena, FL 33707. Telephone 381-5411 Ext. 7024. All Welcome.

QCWA SOUTHEAST CHAPTER. Meets 3rd Sat. ea. mo. at Noon. More info: W4KGJ 666-2058, W4KO 685-1953 or W4LGP 891-7692. We also welcome all OOTC and SOWP members anytime!!

QCWA SPACEPORT CHAPTER meets 3rd Sat. of each month at 11:30 A.M. at Gatsby's on SR 520, Cocoa Beach. Old timers always welcome.

QCWA SUNCOAST CHAPTER. From Tampa So. to Marco. Meet at Davey's Locker, Rm. of Windjammer Rest. 7100 S. Trail U.S. 41, 1st Wed. ea. month. Oct. thru May. Info: H. Osborn 677-1449.

QCWA SUWANNEE CHAPTER 62. Lunch 1130AM Holiday Inn West, Ocala, 4th Sat. even months. Net Sat. 3940 KHz. 9AM. Pres. Ray Chatler W1RFE, VP Jim Armstrong N4HZR, Sec/Treas. Adis Henry W4PFJ.

QCWA TREASURE COAST CHAPTER. Chairman W4TZ & Sec-Treas. K4QM. Lunch 2nd Thurs., Sheraton Regency, No. A1A, Vero Beach. Mail: Box 3088, Vero Beach, FL 32964.

ST AUGUSTINE AMATEUR SOCIETY W4WSB. 2nd Mon. Memorial Lutheran Church. Details: Prime A. Beaudoin KA4QXL, Pres. North Florida Wide Coverage repeater 146.625 MHz. - 600. Box B, St. Augustine FL 32085.

TAMPA BAY REPEATER ASSN. Meets 2nd Tues. 730PM, Red Cross Bldg. 217 N. Howard Ave. Net every Thurs 730PM on 146.76 rptr. Mail: TBRA P. O. Box 22004, Tampa, FL 33622-2004.

FLORIDA REPEATER COUNCIL, Inc. Coordinators: WA4QOR (1 1/2M, 33 & 23 CM) 305 752-7781. WB4ILH (10M, 6M 2M & 70CM) 305 471-8384. All calls before 10PM. Mail PO Box 4155, West Palm Beach, FL 33402-4155.

QCWA FLORIDA KEYS CHAPTER (147) meets 1st Fri. (Oct. thru June) at various points in the Upper Keys. Call Fred Clark K4ET 852-5359 for information. All Welcome !!

IBM BOCA RATON AMATEUR RADIO CLUB. WB4QNX/R, 144.69/145.29. Emergency Net Thurs 8:30 PM. WA2HFA, Pres. WA4CTC Vice Pres. KD4AO, Treas. N4TL Secretary & KD4B Emergency Coordinator.

HIGHLANDS COUNTY AMATEUR RADIO CLUB Inc., P.O. Box 2149, Lake Placid, FL 33852. Meets 3rd Mon. 8 PM at First Home Federal, 126 W. Center Ave., Sebring. Net Weds 8PM KF4EV/R 147.645/045 info 813 385-5325.

GATOR AMATEUR RADIO CLUB, W4DFU. A University of Florida student organization since 1934. Mail: J-12, Gainesville, FL 32610. Repeater: UF campus, 146.31-91 MHz. GO GATORS!!!!!!

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The So. Fla. FM ASSN. held their Annual picnic at Tropical Park, April 20th. All amateurs were invited. In mid-afternoon a Bunny Hunt was held. Ron KE4QF, Assn. Pres. did the honors on a remotely controlled "Bunny" in the Park and Randy WA2OMT & XYL Jean found the little guy in a flower pot inside a Park Office. Time: 11 minutes, 23 seconds. Some of the hunters L to R: top KE4QF, KB4IYA. Front L to R: Jean XYL/OMT, WA2OMT, N4KWB (DENE Mgr) and N4IFK. (Thanks photo from N4ALR)

FLORIDA REPEATER COUNCIL, INC.

By Thomas J. King, WB4ILH

Frequency Coordinator, Florida Repeater Council, Inc.

The Florida Repeater Council is pleased to announce the protection of the following 2 meter frequencies for Packet use throughout the state:

145.010, 145.030, 145.050, 145.070 and 145.090 MHz.

News on 20 KHz channel spacing being used in some areas of the country in the 146-148 MHz segment of the 2 meter band. Currently Alabama, Arizona, Texas, Washington, Oregon and Michigan have either moved to 20 KHz channel spacing, or have announced their intention to do so. In response to this, the Tri-State Repeater Council hosted a meeting of the frequency coordinating bodies representing New England and the Northeastern states on March 2nd in White Plains, N.Y. The primary issue was repeater channel spacing in the upper 2 MHz of 2 meters. Of interest to Florida was the announcement at the conclusion of the meeting reaffirming the ARRL bandplan of 15KHz channel spacing in the 146-148 MHz portion of 2 meters. The Florida Repeater Council supports the ARRL 2 meter bandplan completely.

Florida now has approximately 500 repeaters throughout the state. This makes us second only to California in total number of repeaters.

We would like to thank Frank Butler, W4RH, and the ARRL Letter for the above information.

Please keep in touch. We do value your suggestions and comments. Our address is: Florida Repeater Council, Inc., P.O. Box 4155, West Palm Beach, FL 33402-4155.

(See back page for more repeater info.)

NORTH FL SERVICE CLUBS

The Northern Florida Section is proud to recognize six (6) clubs who have qualified as Special Service clubs because of their past and continuing performance with a broad range of organized activities and the maintenance of over 51% membership in ARRL. The clubs are:

Clover Leaf ARC, Brooksville
HCARA, Brooksville
Jax Range Assn., Jacksonville
LMARS, Altamonte Springs
NOFARS, Jacksonville
Silver Springs RC, Ocala

Any other clubs interested in more information are invited to contact N4ADI, Roy Mackey, ACC Northern Florida.

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80 METERS	3.7 to 3.75	X	3.7 to 3.75	X	3.525 to 3.750 and 3.85 to 4.0	3.85 to 4.0	3.525 to 3.750 and 3.775 to 4.0	3.775 to 4.0	3.5 to 4.0	3.75 to 4.0
40 METERS	7.1 to 7.15	X	7.1 to 7.15	X	7.025 to 7.150 and 7.225 to 7.3	7.225 to 7.3	7.025 to 7.3	7.15 to 7.3	7.0 to 7.3	7.15 to 7.3
20 METERS	X	X	X	X	14.025 to 14.15 and 14.225 to 14.35	14.225 to 14.35	14.025 to 14.15 and 14.175 to 14.35	14.175 to 14.35	14.0 to 14.35	14.15 to 14.35
15 METERS	21.1 to 21.2	X	21.1 to 21.2	X	21.025 to 21.20 and 21.30 to 21.450	21.3 to 21.450	21.025 to 21.20 and 21.225 to 21.45	21.225 to 21.450	21.0 to 21.450	21.2 to 21.45
10 METERS	28.1 to 28.2	X	28.1 to 28.2	X	28.0 to 29.7	28.3 to 29.7	28.0 to 29.7	28.3 to 29.7	28.0 to 29.7	28.3 to 29.7
6 METERS	X	X	50.0 to 54.0	50.1 to 54.0	50.0 to 54.0	50.1 to 54.0	50.0 to 54.0	50.1 to 54.0	50.0 to 54.0	50.1 to 54.0
2 METERS	X	X	144.0 to 148.0	144.1 to 148.0	144.0 to 148.0	144.1 to 148.0	144.0 to 148.0	144.1 to 148.0	144.0 to 148.0	144.1 to 148.0



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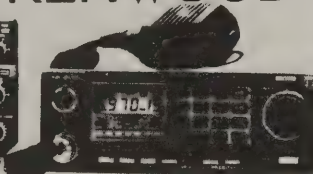
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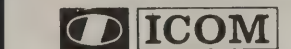
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**ARMY MARS
SAVING MONEY AND SPACE — ANTENNAS**

By Dick, AAR4PP/FL

The following beliefs — all wrong ones — can cost you money and space, if followed. They can also waste your time.

1. Antenna tuners don't really tune anything; they just fool the transmitters.
2. Reflected power is wasted power.
3. Reflected power turns to heat in your tuner (or is dissipated in your finals, or makes your teeth turn orange, or etc.)
4. An antenna must be cut to a specific length to radiate effectively at a specific frequency.
5. Twin-lead causes spurious radiation.
6. High SWR causes spurious radiation.

Yes, if you accept even one of the above statements, you are going to spend more on your rig than you should — a lot more; mythology is always expensive if believed. So where do you get the facts?

One source is a new book, "The Easy Way," by John Haerle, WB5IIR. It's a compendium of his lectures on the MARCO net during the last few years. Unless you have access to the definitive work of Walt Maxwell, W2DU as printed in back copies of QST, this is likely to be the only place you'll find a clear and complete statement of the how and why of HF antennas. (You sure won't get it from certainly highly-vocal low band ragchewers — and don't let the 4-letter callsigns fool you!)

You send \$13 to Over Tones, Inc., 1710 Highland Park Road, Denton, TX 76205 and ask them to send you the book. Enjoy!

U.S. AIR FORCE MARS

By Phil McMasters, W4BCZ/AFA2XR Florida PAC

As I said last month, signal propagation is still very unpredictable on the HF bands and the usual 7313.5 USB at 1800Z,

Sunday for the state administration net could not be used. The Net Control station AFF2FL, Mike Green, suggested that we use the night time frequency and that gave the Military Affiliates a chance to do what the HAMS have done since amateur radio began, RELAY. With the usual discipline taught for use on the MARS Nets, the doubling and triple of stations wasting time on HAM nets was not a problem. Our outlets at Eglin AFB and in Monroe county could hear the rest of the state most of the time.

We in Florida are really blessed in getting good signals in and out. AFB2VV has been able to run patches when AGA2LA and AIR could not get across the water. Jim is waiting as I write this for a new BEAM by Telerec designed for MARS use only, so we expect even better patches soon. The engineer says do not use any line tuner, just connect it to the rig. We hope that you all were able to get to the Headquarters stations on Armed Forces Day to get your QSLs. AIR was there for the calling.

PETITION FILED TO ALLOW HAM USE OF MARINE RADIOS

Hams aboard boats and ships would be allowed to use marine SSB radio equipment on Amateur Radio frequencies under a proposal being studied by the FCC. Gordon West, WB6NOA, originated the petition which calls for deletion of Part 97.101(b) which currently requires that "amateur mobile stations shall be separate from and independent of all other radio equipment, if any, installed aboard the same ship." In the petition, West states, "allowing mariners one combined type-accepted marine SSB set that may also be used on amateur frequencies would reduce the potential of abuse from mariners selecting non-type accepted ham equipment and would decrease the need for a dual transceiver installation — one for ham and one for marine use."

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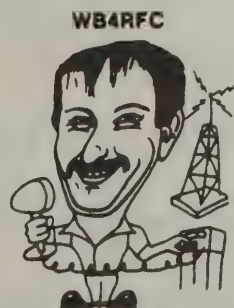
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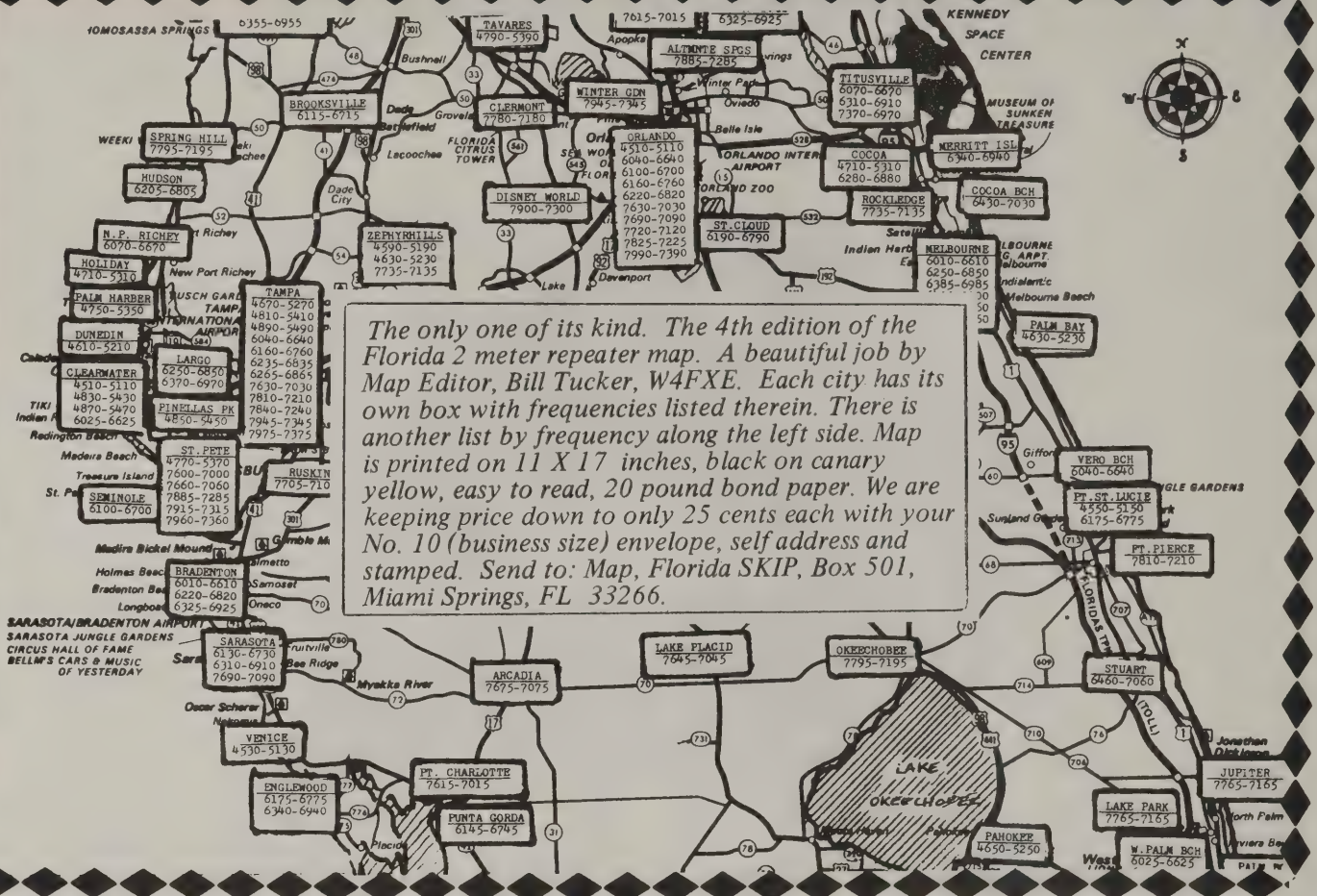


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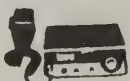


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Automatic Sender/Receiver: Due to the most up to date computer technology, just a console and keyboard can accomplish complete automatic send/receive of Morse Code (CW), Baudot Code (RTTY), ASCII Code (RTTY) and new ARQ/FEC (AMTOR).

Code: Morse (CW includes Kana), Baudot (RTTY), ASCII (RTTY), JIS (RTTY), ARQ/FEC (AMTOR).

Characters: Alphabet, Figures, Symbols, Special Characters, Kana. **Built-in Monitor:** 5" high resolution, delayed persistence green monitor — provides sharp clear image with no jiggle or jitter even under fluorescent lighting. Also has a provision for composite video signal output.

Time Clock: Displays Month, Date, Hour and Minute on the screen. **Time/Transmission/Receiving Feature:** The built-in timer enables completely automatic TX/RX without operator's attendance.

Selcal (Selective Calling) System: With this feature, the unit only receives messages following a preset code. Built-in Demodulator for High Performance: Newly designed high speed RTTY demodulator has receiving capability of as fast as 300 Baud. Three-step shifts select either 170Hz, 425Hz or 850Hz shift with manual fine tune control of space channel for odd shifts. HIGH (Mark Frequency 2125Hz)/LOW (Mark Frequency 1275Hz) tone pair select. Mark only or Space only copy capability for selective fading. ARQ/FEC features incorporated.

Crystal Controlled AFSK Modulator: A transceiver without FSK function can transmit in RTTY mode by utilizing the high stability crystal-controlled modulator controlled by the computer.

Photocoupler CW, FSK Keyer built-in: Very high voltage, high current photocoupler keyer is provided for CW, FSK keying.

Convenient ASCII Key Arrangement: The keyboard layout is ASCII arrangement with function keys. Automatic insertion of LTR/FIG code makes operation a breeze.

Battery Back-up Memory: Data in the battery back-up memory, covering 72 characters x 7 channels and 24 characters x 8 channels, is retained even when the external power source is removed. Messages can be recalled from a keyboard instruction and some particular channels can be read out continuously. You can write messages into any channel while receiving.

Large Capacity Display Memory: Covers up to 1,280 characters. Screen Format contains 40 characters x 16 lines x 2 pages.

Screen Display Type-Ahead

Buffer Memory: A 160-character buffer memory is displayed on the lower part of the screen.

The characters move to the left erasing one by one as soon as they are transmitted. Messages can be written during the receiving state for transmission with battery back-up memory or SEND function.

Function Display System: Each function (mode, channel number, speed, etc.) is displayed on the screen.

Printer Interface: Centronics Para Compatible interface enables easy connection of a low-cost dot printer for hard copy.

Wide Range of Transmitting and Receiving: Morse Code transmitting speed can be set from

the keyboard at any rate between 5-100 WPM (every word per minute). AUTOTRACK on receive. For communication in Baudot and ASCII Codes, rate is variable by a keyboard instruction between 12-300 Baud when using RTTY Modem and between 12-600 Baud when using TTL level. The variable speed feature makes the unit ideal for amateur, business and commercial use.

Pre-load Function: The buffer memory can store the messages written from the keyboard instead of sending them immediately. The stored messages can be sent with a keyboard command.

"RUB-OUT" Function: You can correct mistakes while writing messages in the buffer memory. Misspellings can also be erased while the information is still in the buffer memory.

Automatic CR/LF: While transmitting, CR/LF automatically sent every 64, 72 or 80 characters.

WORD MODE operation: Characters can be transmitted by word groupings, not every character, from the buffer memory with keyboard instruction.

LINE MODE operation: Characters can be transmitted by line groupings from the buffer memory.

WORD-WRAP-AROUND operation: In receive mode, WORD-WRAP-AROUND prevents the last word of the line from splitting in two and makes the screen easily read.

"ECHO" Function: With a keyboard instruction, received data can be read and sent out at the same time. This function enables a cassette tape recorder to be used as a back-up memory, and a system can be created just like telex which uses paper tape.

Cursor Control Function: Full cursor control (up/down, left/right) is available from the keyboard. Test Message Function: "RY" and "QBF" test messages can be repeated with this function.

MARK-AND-BREAK (SPACE-AND-BREAK) System: Either mark or space tone can be used to copy RTTY.

Variable CW weights: For CW transmission, weights (ratio of dot to dash) can be changed within the limits of 1:3-1:7.

Audio Monitor Circuit: A built-in audio monitor circuit with an automatic transmit/receive switch enables checking of the transmitting and receiving state. In receive mode, it is possible to check the output of the mark filter, the space filter and AGC amplifier prior to the filters.

CW Practice Function: The unit reads data from the hand key and displays the characters on the screen. CW keying output circuit works according to the key operation.

CW Random Generator: Output of CW random signal can be used as CW reading practice.

Bargraph LED Meter for Tuning: Tuning of CW and RTTY is very easy with the bargraph LED meter. In addition, provision has been made for attachment of an oscilloscope to aid tuning.

Built-in AC/DC: Power supply is switchable as required; 100-120 VAC; 220-240 VAC/50/60Hz + 13.8VDC.

Color: Light grey with dark grey trim — matches most current transceivers. **Dimensions:** 363(W) x 121(H) x 351(D) mm: Terminal Unit.

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QCWA, Inc.

QCWA STATE NEWS
Edited by Eli Nannis, K4JMH

Band conditions are really bad on 40 meters and 80 meters is not much better. The QCWA net on Sundays is taking quite a beating. Let's hope that band conditions will get better. By the time that you read this, you should have your ballots. The four candidates for our national office are unopposed but the ballot will include the names of several candidates for the five directorships to be filled this year. The candidates include incumbents who have been nominated for another term, as well as others whose qualifications are likewise impressive. We have two excellent candidates from Florida running for the Board. They are Lew Sieck, K4NE and Jim Gundry, W4JM. A computer system is being contemplated for HQ to speed up processing of records and to allow in the future, communication between chapters and HQ. The present system has become quite a problem. The Memorial Scholarship Fund should reach the \$50,000 mark this year. An open QSO party will be held this fall in which we will be able to contact potential members of QCWA and invite them to become members. The minutes of the QCWA Board of Directors meeting in March requires nearly 8 pages. A copy may be obtained from HQ upon making a request accompanied by an SASE with 39¢ postage. A number of our Florida chapters are ending their meetings for the summer. Why not continue to meet in informal meetings, no chapter business to be taken up, just swap stories, discuss world affairs, tell about your fantastic DX contacts (true or false) and a good time will be had by all. Some chapters meet weekly at a breakfast. Many good ideas come out of these gatherings. Try it, you may like it.

PELICAN CHAPTER: Kicking off our first luncheon meeting at the Econo Lodge on April 17th with 41 members and guests. President Phil Stern, WA4ZVO, announced that



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Oak Hill Academy Amateur Radio Session
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we have finally found a home. Everyone agreed that the food was excellent. Ed McMullin, K4EPH, provided an excellent talk about "Handi-Hams". Mac is legally blind and his talk was an inspiration to all of us. Wes Randles, W4COW, our esteemed QCWA Treasurer and his XYL Blanche, W4GXZ, both fresh from the spring meeting of the QCWA Board of Directors meeting in Texas provided an updated report on the meeting. Cathy Soehl, W4BAV, and R.K. Clark, W8KZU, were our guests. The next chapter breakfast will be held on May 1st at Granny's Kitchen in St. Pete. Our next meeting will be the annual cruise on Tampa Bay. It will be on the ocean-going cruise ship "The Belle of St. Petersburg."

—Reported by Art Monsees, K4BK

HERNANDO CHAPTER: Our next meeting is May 21st. We meet the 3rd Tuesday of each month at the Omaha Steak House on U.S. 41, South in Brooksville. If you are curious about a QCWA luncheon, satisfy that curiosity and come and join us along with a friend or the XYL. No reservations needed, we order from the menu. Plan to arrive between 11:30 a.m. and Noon. Our April 16th meeting was attended by 40 members and guests. Highlight of the meeting was the presentation of two Golden Anniversary awards. They were Charles Wight, W4JCK of Port Richey, 63 years; and Charlie Giarratana, WA4DRW, goes back an even 50. Our chapter sponsored a VE program with ARRL as VEC is progressing nicely. We have given two exams and another is scheduled for July 16th. Added to our original group of 7 volunteer examiners are George Fenning, WD4FNX, Chef Svenson, W1HGK, and Fred Armes, K4RX. All 10 are extra class. We are therefore in a position to help out or fill in for any other sponsored group. Wes Randles, W4COW, QCWA Treasurer, gave a report on the HQ Board meeting. Shirley, W4WPD gave a report on the April 6th meeting of the Gator Chapter with President Stu Meyer, W2GHH, as the guest speaker. Stu advised that to keep our frequencies, we must use them specially the 1900-2000 KHz of 160 meters and 220 MHz band. One suggestion was to permit the novice class to use this portion of the spectrum. Our VP Frank McCarthy and XYL are spending a few weeks in England celebrating a Golden Wedding anniversary while our NCS W4WL and XYL Ginger are off to Hong Kong. Gene, W4OSG made it down from Bushnell for the last meeting. Gene and XYL Lola are both on the mend after stays in the hospital. N8AWM Don and XYL Dorothy are back up in MI where Don is having a series of tests. Welcome to new member Bob King, K1ADU and XYL Jean. A number of our "snowbirds" are now resting comfortably in their summer nests.

—Reported by Regis Kramer, W4ILE

SUNCOAST CHAPTER: Our chapter held their monthly meeting at Davey Jones Locker in Sarasota on April 3rd. There were 68 members and guests present. Art Miligan W8KW volunteered to be net control of the Sunday QCWA state net, 2 Sundays in November. A nominating committee was appointed to announce the slate of officers at the May meeting. Voting will be carried out at that meeting with the new officers taking over at the October meeting. The May meeting will be the last one until October.

—Reported by Robert Bockhauer, W4NWF

GATOR CHAPTER: There were 65 members and guests at our April 6th meeting. The QCWA President Stuart Meyer, W2GHH was our guest speaker. I was very pleasantly surprised when he presented me with the QCWA Meritorious Award. I want to thank the Gator chapter for recommending me for this esteemed award and it is now hanging on the wall in my radio room. Stu gave us a report on the Board of Directors meeting held recently in Texas. He advised that the amateurs must use more of the 160 meter band and also 220 MHz band or we could lose it. This information is from the FCC. Our chapter is considering running the QCWA 1986 national convention with the help of other chapters in our area. A decision will be made at our May meeting. We welcomed a new member, Ray Lasonde, W4LEA of Port Richey. Lou Weber will be in charge of the ARRL booth at the next Suncoast convention to be held on Oct. 12, 13, 1985. It will be held at the National Guard Armory in St. Petersburg and the convention hotel will be the Holiday Inn I-275. The national Board of Directors voted to award the Roll of Honor to one of our members Bud Waite, W2ZK posthumously.

—Reported by Eli Nannis, K4JMH

EVEGLADES CHAPTER: A meeting of our chapter was held on April 13th at the Swiss Chalet Restaurant located on route 441 in Fort Lauderdale. It was well attended with 26 members and wives present and also 4 guests. Dave Talley W2PF gave us the news of the national meeting and the changes made by both the ARRL and QCWA. ARRL has opened a permanent Public Relations Bureau in Washington, D.C. Also life members of QCWA will receive new plastic membership cards. There will be no more meetings until September. Congratulations to our Treasurer Ted Stern who was celebrating his 50th wedding anniversary. Our guest speaker was Dr. Pamela Rosseau who gave a lecture complete with slides on the subject of skin cancer. It was very interesting.

—Reported by Gerald Martin, K4DI

ROYAL PALM CHAPTER: Our new Naples, Florida chapter (No. 152) is in its early growth phase. Our membership has increased from 17 in January to 29 in April. At a special meeting in February, QCWA President, Stu Meyer, W2GHH, presented our charter to our chapter President, Ron Hesler, VE1SH. At our March meeting, CRRL President, Tom Atkins, VE3CDM (also a member of our chapter) addressed us on the problem of attrition in the U.S. ham population and suggested that the QCWA members have the experience and the time to take the lead in encouraging new people into amateur radio. The chapter holds a luncheon meeting in the Hospitality House, 2355 N. Tamiami Trail, Naples on the 4th Tuesday of every month. The meetings will continue to be scheduled throughout the summer, under the leadership of Lee Denning, W4ESH. Any and all QCWA members, visiting amateurs, their spouses and guests are welcome.

—Reported by George Slade, W1GOG

HIGHLANDS COUNTY QCWA CHAPTER 121 was called to order by acting chairman W4BCZ, Phil with 12 members to enjoy breakfast at the Western Sky Steak House in Lake Placid.

Phil asked for volunteers for the QCWA Net control for July 14, 21, and 28th. The following operators: W4BCZ, K4JES, and W8OKW volunteered.

W4BT, Ben Letson and XYL, Fran were welcomed to the chapter. They recently moved here.

NS4R Fay Daughtrey reported on the Volunteer Examination program. He reported out of 16 applicants, 9 were successful. The next examination will be on May 15th at 7 P.M. at the First Federal Bank in Sebring. The next meeting will be Thursday, June 6th, 1985 at 9 A.M. for breakfast and good fellowship.

—Respectfully submitted, Mel Nelson, N4BIS

LETTERS

Dear Andy:

I am sorry to disappoint the anti-CW/pro-Appliance op crowd, but Air Force is again requiring CW training, as it has been found that in heavy interference and jamming environment, CW is most likely to get through and to provide life-saving communications.

Any ham worth his salt has known this for ages, of course!

73,

Ulo Vilms, K4OV
P.O. Box 1437, Lanark Village, FL 32323

ANNOUNCING THE 12th ANNUAL GREATER JACKSONVILLE HAMFEST

AUGUST 3rd AND 4th AT THE JAX. CIVIC AUDITORIUM

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**SWAP TABLES \$9.00 one day - \$15.00 for weekend
PLUS REGISTRATION OF \$4.00 PER PERSON.
CHILDREN UNDER 16 FREE**

**** JAX. CIVIC AUDITORIUM ****

The hamfest site is located at the Civic Auditorium on Water Street in downtown Jacksonville, on the St. Johns River. The Hamfest Talk-in-Station is on 146.16/76 (W4IZ). For commercial booths and swap table reservations send inquiries and/or checks to: Jacksonville Hamfest Association, P.O. Box 10623, Jacksonville, Fl. 32207

TRI-COUNTY EXAMS

The Pasco-Hernando-Citrus Counties VE Council has scheduled amateur radio examinations under ARRL/VEC in the tri-county area for July 1985 through November 1985 as follows:

Date	Sponsor	Contact Person
July 16	Hernando QCWA Hernando County	Regis Kramer W4ILE 900-2032 U.S. 41 North Brooksville, FL 33512 904-796-6802
Aug. 17	Gulf Coast ARC Pasco County	Wilbur Bready NY4E Decubellis Road New Port Richey, FL 33552 813-842-4982
Sept. 17	Spring Hill ARC Hernando County	Paul Sauer K4ZC 9353 Chase Street Spring Hill, FL 33526 904-683-3167
Oct. 22	Cloverleaf ARC Hernando County	Regis Kramer W4ILE 900-2032 U.S. 41 North Brooksville, FL 33512 904-796-6802
Nov. 23	Sky High ARC	Bill Covington WE4C 8811 Maplewood St. Inverness, FL 32650 904-726-2905

Walk-in examinations will be given on a first-come, first-served basis except for the August 17 examination. To reserve a test the applicant must send in:

- Completed Form 610
- Check payable to ARRL/VEC for \$4.00
- Copy of current amateur radio license
- Thirty days before examination date

FCC EXAMS — CITRUS COUNTY

The Sky High Amateur Radio Club will sponsor amateur Radio License Examinations to be conducted May 11, 1985 at the Florida Power Corp., Management Training Building located at 8202 W. 7 Rivers Drive, Crystal River, FL. Applicants should submit the FCC Form 610 along with a \$4.00 check payable to ARRL VEC. Mail Check and FCC Form to: SHARC, P.O. Box 572, Lecanto, FL 32661. For additional information call Bill Covington 726-2905 or Phil Partee 382-2675.

EXAM INFO

MIAMI AMATEUR RADIO EXAMINATIONS

Date	Time	Place	Deadline for Application
			To Exam Date.
June 8, 1985	9:00 a.m.	900 S.W. 1 Street	
Walk-in examinations will be given, but on a first come, first served basis. To reserve a test, the applicant must send in:			
—Completed Form 610			
—Check payable to ARRL/VEC for \$4.00			
—Copy of current amateur radio license			
—Thirty days before examinations.			
Send to: Mr. Bill Miller, N4EFQ			
9910 Collins Avenue			
Bal Harbour, FL 33154			

NEW V.E.C.

Please be advised that the Dunedin Amateur Radio Association is now a Volunteer Examiner Coordinator for the fourth region of the United States. Enclosed is a list of information concerning the upcoming tests under our program in the Tampa Bay Area. Any Advanced or Extra class amateur that wishes to become an examiner please contact Thomas M. Schaefer, NY4I at the following address: P.O. Box 1851, Dunedin, FL 33528.

Beach Amateur Radio Association will be administered on May 25 at 9 AM at the Red Cross Building, 341 White St., Daytona Beach. Forms 610 available by SASE from Emil Weber, K2EW, 12 Honey Bear Path, Ormond Beach, 32074, 672-9395 or Frank Haas, KB4T 677-6929. Walk-ins are welcome.

(Editors note: PLEASE get your announcements in EARLY.)

BRANDENTON: June 8, August 24 at St. Joe's School Lunch room, 3160 - 26th St. West. Brandenton, FL. Novice to Extra. Walk-ins accepted. Info call Joe WB4I 813-756-4990.

SEBRING: Highlands County radio Club are sponsoring ARRL VEC sanctioned Amateur Exams on June 19th. 7PM, First Home Federal, 126 W. Center Ave., Sebring, 33870. Further info: Clay Welsh, W1PI, 3036 Parkwood Rd., Sebring, FL 33870.

THE BAD NEWS

(or You Did Want That Interim Permit, Didn't You???)

The FCC has ruled that the current set of rules regarding the Certificate of Successful Completion issued by Volunteer Examiners is not valid for the written portion of the test (see part 97.25 b). Your interim issued by a VE team is valid only for an upgrade that did not require a written test. For example: A Novice upgrading to Technician cannot operate because he had to pass written element 3 (General Test). But a Technician upgrading to a General can operate because he only had to pass element 1B (13 WPM code). Get the picture? In fact, only the Tech to General upgrades now have interims because everything else requires either a written test by itself (e.g. Novice to Tech or General to Advanced) or a written test in conjunction with the code test. (E.G. N to G, N to A, N to E, G to E, A to E, and U to everything.)

Complain to folks such as Mark Fowler (FCC Chairman) or his boss the honorable Ronald Wilson Reagan, President of the United States of America. We're presuming the VEC's are handling the submissions of rewrites of 97.25 to the FCC.

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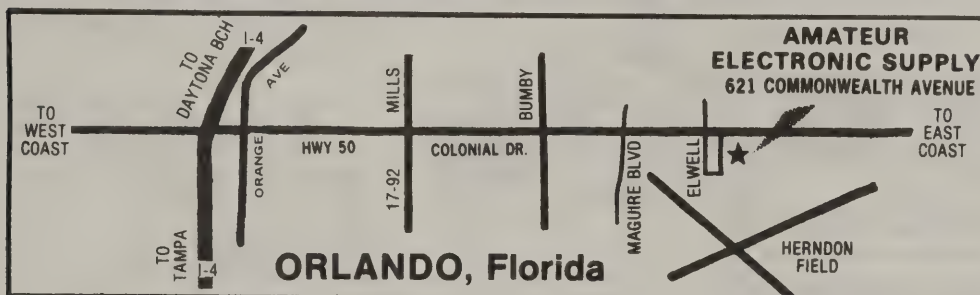
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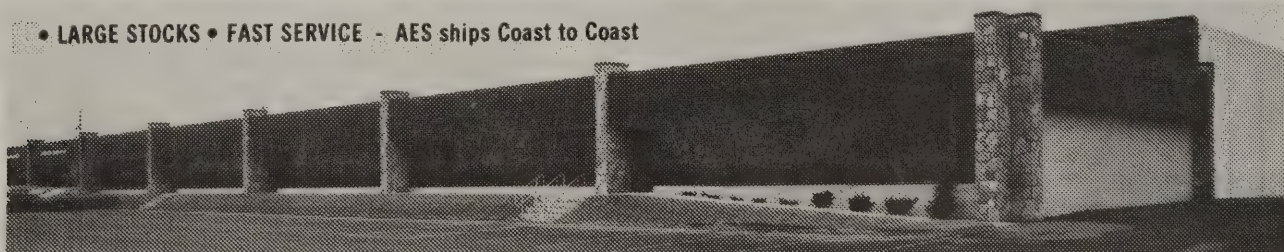
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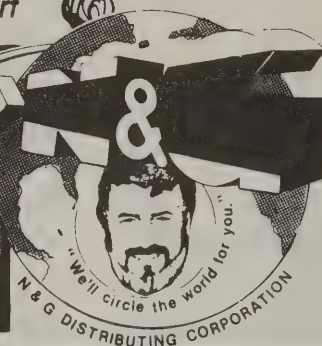
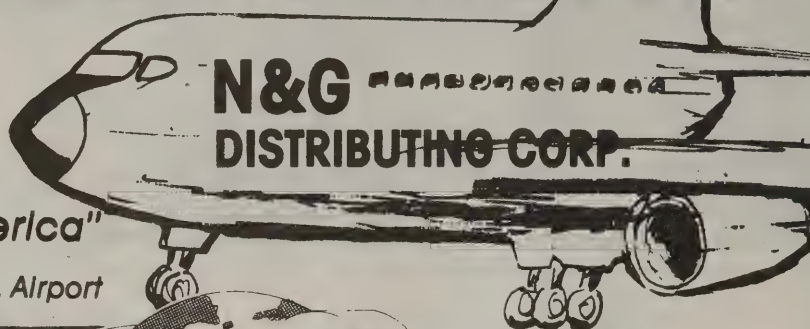
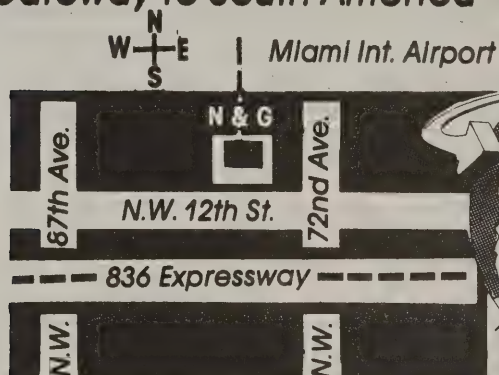
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DEADLINE for all Hambars and ads, 8th of each month in P.O. Box 501, Miami Springs, FL 33266. Normal mailing date 25th of each month. Thank you for your cooperation. Editor.

FOR SALE: YAESU FT7B \$350. FT-101E \$400. FT101EE \$475. FT-101-ZD \$475. More call. CASA MARCONI INC. 7189 SW 8 St., Miami, FL 33144 305 264-8443.

ESTATE SALE: 60 Ft. Rohn 25G foldover tower complete with mast & guys \$400. Telrex 20-15 duoband beam \$175. Douglas McDuff WB4MAI, 10380 SW 112 St., Miami, FL 33176 work 305 374-1212 home 253-2318.

SELL: ICOM 730 has 2 OPT. SSB filter, mike, cables, manual, orig box. I will ship UPS first \$450. Jim Standafer 2565 N. Atlantic Daytona Beach FL 32018 904 677-7188.

A BANKER IS A MAN WHO WILL LOAN YOU MONEY IF YOUR APPLICATION PROVES YOU DON'T NEED IT.

KENWOOD TS-130 with antenna tuner, PS-30 supply and Hy-Gain 5BTV antenna. All mint condition \$750, or best offer. Tom King WB4ILH, 781 Caroline Ave. West Palm Beach, FL 33413 305 471-8384 after 6 PM.

SELL: OSCAR 10 equipment: IC451 xcvr, D1010 amp, KLM twist ant's with witchers, GasFet mast preamp, tripod tower with all rotors and accessories. HF station. SB104 xcvr, SB604 spkr/pwr sup, SB634 Mon, SB-614 scope, all cables, mic etc. Packet Radio. AEA PKT-1 node controller, new in box with 12V supply. Misc: Numerous antennas and equip all in new condx. Call for listing. All sold as packages, pick up in Orlando First certified funds take them. Bob Inscoe K3KKA, 9237 San Ambrosio Dr., Orlando, FL 32819 305 876-4970 evenings.

POLITICIANS TRY TO GET MONEY FROM THE RICH AND VOTES FROM THE POOR BY PROMISING TO PROTECT EACH FROM EACH OTHER.

FOR SALE: Kenwood TS930S with 2 CW filters, antenna tuner and SP-930 matching speaker \$1200. The 930 is like new and in original cartons. Drake TR7 with 3 filters, noise blanker, and PS7 power supply \$575. Jim Brassell AA4DI, 512 Spring Oaks Blvd, Altamonte Springs, FL 32714 305 788-0216.

WANTED: Diagram or tube lay-out on Heathkit CA-1 small Amp. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

SELL: Clipperton "L" never out of box \$500. Collins ART-13, never fired up \$100. Honda EM-400 emergency generator \$250. Charles G. Shetler KJ4AM, 5702 SW 1st St. Plantation, FL 33317 305 581-0231.

WILL TRADE OR SELL: VHF high band "Standard" Walkie talkie, 5 watt, 6 channel with rapid charger, currently set up on 151.625 \$350.

WANTED: Combination HF transceiver/general coverage receiver. Randy Grimes, P. O. Box 2101 Seffners, FL 33584. (No phone given).

THE BUSIEST MEN HAVE THE MOST LEISURE!

WHEN DOES YOUR AMATEUR LICENSE EXPIRE ?? Are you sure?? Better look again. Two guys I know, didn't bother to check and lost their license completely. FLORIDA SKIP sends FCC 610 forms, one day service. Send a Self Address Stamped Envelope for yours. Box 501, Miami Springs, FL 33266.

ATTENTION SNOWBIRDS!
PLEASE BE SURE TO LET US KNOW WHEN YOU LEAVE FOR THE NORTH SO YOU WILL NOT MISS ANY ISSUES OF "SKIP". MANY THANKS! BETTY CLARK W4GGQ.

FOR SALE: Motorola HT-200 with rubber duck, ni-cads, .94/94 and .52/.52 \$80. Heathkit VTVM IM-18 with cords & RF probe \$29. B&W 5-position coax antenna switch Mod 376. Brand new still in box \$19. Amperex 7854 VHF/UHF tubes brand new in box \$5. each (have two.) Coax "BLITZ-BUG". Takes lightning from coax to ground. \$5. each. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874 evenings.

WANTED: Will the person who sent FLORIDA SKIP a \$5. bill and with a renewal form without an address on it please let us know who you are?? No address or call sign on anything. Come on -- give us a clue! Editor.

FOR SALE: 40 ft. Rohn free-standing tower disassembled linemans belt. Walter E. Hattenorf, K4KAH, 3510 N.E. Linda Dr., Jensen Beach, FL 33457 305 334-4029.

TRADE: Info tech 200E RTTY, ASCII, Morse converter and M-300-C key-board, books and boxes, surplus to my needs, on a Kenwood 530 or equivalent model. John Talbott W4RJV, Squires Drive, Titusville, FL 32796 305 267-9307.

WHY DO THE PEOPLE WHO KNOW THE LEAST, TALK THE LOUDEST? K4OV.

SELL: Nice lean Drake TR4CW with power supply \$295. Autek QF1A CW and SSB filter \$35. Heathkit SWR & watt meter HM-102 \$12. MFJ antenna tuner 940B \$35. N. R. Thornton K4JXD, 612 - 24th St., Zephyrhills, FL 34248 813 788-3984.

SELL: ONE HALF interest in on air coordinated 2 meter repeater located in Clearwater. Wide coverage, excellent high location. \$700. Jack Turner WA4BOW, 13961 - 89 Ave. Seminole, FL 33542 813 595-8960.

FOR SALE: Tempo 2020 HF- 80-10 transceiver, factory service manual, mic, all solid state with 6146 finals. Very clean and on air \$250. K. E. Electronics SQ-AUTO keyer, paddle, complete plugs in 115 VAC. \$45. COLLINS R-390A, general coverage rcvr - 1 to 30 MHz with 1 Khz readout. 16, 8, 4 and 2 Kc filters. Surprisingly hot for older rcvr. Ho ship \$195. 440 MHz 4 stacked beams on one boom - no ship \$30. All other items plus UPS. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

ANTENNNAS: 3-element beams, Cubical Quads, Multi-band verticals. All-American Telephone Supply Co., 18968 NE 5th Ave., Miami, FL 33179 305 653-7505.

WANTED: Good used transceiver with general coverage receiver 100 watts output. Handie Talkie with scanner. Printer for VIC-20. Al Nance W4IBH 5134 NE 51 Terr., Gainesville, FL 32609

WANTED: Ham related log book etc and public domain programs on disc for IBM PC. Please respond with info for arrangements to: Mike Thomas N4GOH, P. O. Box 10375, Ft. Lauderdale, FL 33334.

ANTENNA BOOK: WB5IIR's the EASY WAY" Paperback, \$12. plus \$1. postage, Overtones Ink, Inc 2009 Camillia, Denton, TX 76205. (2009 Camillia)

SALE: New Heath HD-3030 TU with all options \$275. Heath H89, 64K all options, second disk drive, CPM & HDOS plus lots of application software including Heath CW & RTTY, EPSON MX80 printer with 2K serial buffer, stand, all like new and professionally built \$995. Bill Branan WB4-CHT, 4748 NW 4 St., Plantation, FL 33317 305 791-7165

FOR SALE: E-Z Way 70 foot crank-up tilt over tower self supporting. Heavy duty model with rotor and thrust bearing top section. Already to haul away. \$650. Complete. Sam Hicks, K4ILC, 9950 SW 164 Terr., Perrine, FL 33157 305 255-0924 7 to 9 PM daily only.

Gossip to another. "I won't go into all the details. In fact, I've already told you more about it than I heard myself".....

FOR SALE: KENWOOD TS830S, mint condition \$595. Mel Schutz W4N XF, 126 Golden Isles Dr., Hollandale, FL 33009 305 458-0929.

SELL: Kenwood TR7730 (no up-down mike) and KPS7A \$185 Prefer eyeball to insure satisfaction but will UPS. Add 10% excess refundable. Richard McIntyre, K4BNI, 611 Coral Dr., Cape Coral, FL 33904 813 - 542-8586.

FOR SALE: DENTRON 1000B \$290. Oscillator for CW practice \$20.00. Rotor Ham II \$80. Tower 40 ft crank-up, tilt-over, rotor Ham IV antenna 204 BA Hy-Gain, DB1015, Hy-Gain two baluns and coax for above. Call for complete package deal. Luis Bardino KB4BL, 174 East 10th St., Hialeah, FL 33010 305 888-6137.

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NOTICE: When sending in HAMBARS, we request you submit your full mailing address, area code and phone number(s). ALSO YOUR AMATEUR CALL SIGN! Thanks - Editor.

REMEMBER....WHEN YOU CHANGE YOUR ADDRESS, PLEASE GIVE US YOUR OLD ADDRESS AS WELL AS YOUR NEW! WE FILE CARDS BY CALL SIGN & PLATES BY ZIP NUMBER! 73 BETTY CLARK, W4GGQ BUSINESS MGR.

SELL or TRADE: Yaesu FV707 DM digital VFO memory unit in box with manual, mint \$50. Al Kazansky WD4RLL, 6708 NW 71 Ct., Tamarac, FL 33319 305 726-1313.

FOR SALE: ALPHA 77SX \$3800. with peter Dahl outboard plate transformer \$4000.00 Heath 120 VAC 2200 watt generator model GU-1820, brand new \$300. ICOM IC251A \$325. QST January 1930 - December 1963 \$125. CQ January 1946 - December 1962 \$60. June 1968 - December 1975 (missing Jan 1969) \$20. Assorted CQ (1947-1964) 50 cents each - SASE for list. Russound FP-36 patchbox \$25. Bencher Balun ZA-2A \$10. ZA-1A \$10. Heath dip meter hd-1250 \$35. CW Sending machine \$50. AEA CK-1 keyer with power supply \$40. Datong FL-1 audio filter with power supply \$65. Heil EQ-200 microphone equalizer with power supply \$30. ADR P50VDG GAS-FET 6-meter pre-amp \$35. AEA MM-1 morsematic Keyer with power supply \$65.. All plus UPS. Mike Raskin K4KUZ, 561 West Tropical Way, Plantation, FL 33317 305 583-4026.

FOR SALE: Heathkit transmitter 1680 receiver 1681 PS-23 power supply matching spkr, new equipmt. never used \$275. S. Christie N4KLQ, 1127 A-S Maplenut Way, Inverness, FL 32650 904 726-0264.

FOR SALE: HEAVY duty steel tower with ground post RBS-40 \$250.00. TS520S \$450. DG-5 \$80. MC-50 \$15. SP-5 \$25. SB-220 \$475. package deal or individual. All in excellent condition. Tony Urbizu WB4TED, 599 Fernandina St. N.W. Palm Bay, FL 32907 305 725-0179.

SELL OR SWAP: Drake Xceiver model TR4 and RV3 power supply and extra VFO contact. Walter Lang, WA4UOD, P. O. Box 453, Fayetteville, GA 30214 487-8732.

SALE: BIRD Coaxwitch model 72R - 5kW VHF/UHF, 2 positions, built like a tank \$50. B&W model 590G with knob, plate and mounting bracket \$19. Stoddart aircraft radio - turret 50 ohm impedance commercial xtal calibrator. McGraw-Edison Co., 115 VAC mod. III. 0.25, 1 and 10 MHz, phones etc. \$15. Stroboscope mod. 510 116120 VAC by Electronic Braying Co. 5 1/2 inch reflector, carrying handle, 2 speed controls, wgt. about 5 lbs, black, rubber feet plugs into 115 VAC \$20. All plus UPS. Andy Clark W4IYT, 41 Lenape Dr. Miami Springs, FL 33166 305 888-3874.

THEY SAY ONE OUT OF EVERY FOUR ADULTS IN UNBALANCED. THINK ABOUT YOUR THREE CLOSEST FRIENDS. IF THEY SEEM OKAY - YOU'RE IN TROUBLE.

HAL: CT-2100/KB 2100 RTTY excellent \$495. Rohn 25G tower 2 ten ft. sections \$30 each. Top section with Thrust bearing \$60. Tilt base \$45.00 Telrex TB5EM tribander \$210. never raised in Florida. Heil mike equalizer and mike cartridge \$30. all good. Jack Merrell KN4AKW, 371 Cherry Dr. Satellite Beach, FL 32937 305 777-5055.

TRANSCIVERS: TICC-I solid-state transceiver, 10 to 80 meters, SSB, 100 watts output. All-American Telephone Supply Co., 18968 NE 5th Ave., Miami, FL 33179 305 653-7505.

WANTED: Used audio filter by Autek QF 1A or MSB1 by M&M. R. FL Bricker K4CSV, P O Box 295, Fort White, FL 32038.

EVERYTHING MUST GO: Tempo one transceiver (black face) with mic \$300. HDBX-40 Rohn tower \$200. Ham IV rotor with controller \$125. Cushcraft A3 beam \$75. MFJ-900, 200W tuner \$35. Bencher Key \$30. Tom Slusarchyk, KF4SJ, P O Box 332, Grand Island, FL 32735 904 - 589-2840.

THE MOST DISAPPOINTED FOLKS IN THE WORLD ARE THOSE WHO GET WHAT'S COMING TO THEM. ... K1GGP/4. ...

SELL: COLLINS KWM-380 service bulletins One thru Eighteen by Collins, speech processor, noise blanker, control interface with keypad, 360 and 140 Hertz CW filters, 6 kilohertz AM filter, blower kit \$28. HAL DSR3100-ASR, ST-6000 \$850. Robot 800 \$250. KWM-2A MCN No. 10 499 512-B5 No. 10,958, \$850. Mike Moody Sr WA5MCL, 7785 White Sands Blvd., Gulf Breeze, FL 32561 904 939-3442.

TET Model HB-20F3 Mono bander, good shape, 2 years old for sale \$90.00 F. M. MacDonald, 1610 Reynolds Rd., Box 141, Lakeland, FL K2CXH 813 665-5693.

THERE IS NO SENSE IN BEING STUPID UNLESS YOU CAN SHOW IT TO SOMEONE. K4OV.

FOR SALE: Tri-band TA33 antenna with CDE Ham II roter system \$100. cash. Fred Middleton W3FNK, 173 Island Circle, Sarasota, FL 34242 813 349-6744.

URGENTLY NEEDED: Any info on AKS-7 Reddi-Kilwat electronic Keyer built about 10 years ago. Have two that need repair. Am helpless without block diagram or schematic diagram. Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

FOR SALE: YAESU FT-208, NC8 and YM24A \$275. Connect systems private patch II \$350. Novax I simplex patch \$100. Heath HD-15 patch \$25. Hy-Gain Hy-Tower \$200. CCTV camera (needs repair) \$50. DEC LA-36 (needs minor repair) \$200. GLB 2 M synth kit \$50. **WANTED:** Info Tech M600A. Larry Shumway N5DHY, 1119 Inoigo, Ormond Beach, FL 32074 904 673-1059.

FOR SALE: Heathkit HW5400 has PLL problem, otherwise very good - u fix \$200. with power supply. Collins 75A3 with 800 Hz filter \$75. Atlas RX-110S solid state RX, very good condx \$100. Kenwood 500 Hz filter for TS-930 \$40. Heathkit HX1681 CW TX with HP-23 supply, very good condx \$125. All with manuals. Jerry Grizzell WD4KPW, 1703 Balmoral Dr., Clearwater, FL 33516 813 461-3553.

FOR SALE: TELREX 5 element 20 meter beam (20 M-536) perfect condition \$385. Andy Young K4RA, 561 NW 42 Ave., Coconut Creek, FL 33066 305 972-5600.

READ THIS AD! Will buy any of these: Tri-band beam (10-15-20) Rotator, CW Memory Keyer, 12 volt HF rigs, SSB, CB's. Pass the word. J. Mahagan WB4JHS, 220 Covington Ave., Apt. 73, Thomasville, GA 31792 (near Tallahassee) 912-226-4522.

ESTATE SALE W4PPC: Kenwood TS520 complete VFO 520, SM-220 monitorscope with DS5 board, MFJ 752 SSB-CW tunable filter, DGM/MVD1000 Video morse display, 2 mtr groundplane, 2 mtr KLM 16C beam, Hy-Gain 14 AVQ Heathkit HD-15 phone patch, Heath VTVM, pair Radio Shack 40-103 speakers, other small items. Make reasonable offer. Ernie Feist WA4CCP, 245 NW 119 St., Miami, FL 33168 305 - 681-5569.

SELL: OSCAR antenna package. Complete with Cushcraft 416-TB and A-144 20T three months old \$80. Pick up only, SB-200 linear \$275. Robot 400 black and white SSTV board complete \$100. Diawa CN-620 dual point er power and SWR meter 1-5 to 150 MHz \$75. 13.6V at 20 amps regulated power supply, fully metered, will run TS-430S and other rigs in the house. \$70. Charles Borg N4JQH, 458 Borraclough Ave. NW, Palm Bay, FL 32907 305 725-0011.

RETIREMENT IS THAT TIME OF LIFE WHEN YOU CAN'T AFFORD TO TAKE A DAY OFF FROM WORK. ...

FOR SALE: Hewlett-Packard 608E VHF signal generator \$200. H/P 200AB audio oscillator \$50. Heathkit SB-301 and SB-401 \$200. for the pair. Swan 700CX SS16B special model with power supply \$375. John Porter W4KGJ, 6890 SW 51 St., Miami, FL 33155 305 666-2058.

SELL: FREE STANDING Tri-X W-51 has original manufactures base ant. also 2 meter antenna on top. No reason offer refused. Other misc. items for sale including a GTE teletype. Make an offer. Elaine Lustrup, 822 N Golf Dr., Hollywood, FL 33021 305 981-7624 after 7 PM.

SELL: DRAKE 2C receiver with Q mult. and man. A-1 condx \$95. Monitor scope SB-610 \$95. Heath 102 watt meter with man. \$35. Power supply 13.5 VDC at 8 amps \$45. Regency scanner 20 channels with man. \$75. Heath ham receiver mod. GC1A \$35. 20 meter Telrex beam with man. \$75. N. Polonsky, 1543 Kudza Rd. West Palm Beach, FL 33415 305 969-0899.

TOWERS: ERECTED, repaired, disassembled. Any type, any height. My own belts, ginpole, etc, and one million dollars of insurance!! Dade, Broward or Monroe counties only. Ham-level charges. Bill Bonner, 6295 SW 34th St., Miami, FL 33155 305 666-9228 Evenings or weekends.

ESTATE SALE K2PMC. Kenwood TS820S \$475. Swan 500CX W/PS-DD76 digital, Swan 510X external xtal \$400. Tempo VHF/One plus mobile 2 mtr \$75. Kenwood MC-50 \$20. MFJ Versa tuner II model MFJ940B \$20. Drake 584C phone patch \$10. Clifford 6 amp DC supply \$10. Den-trpm SWR-1A \$15. Clegg 10 Amp PS \$10. Heath Cantenna \$10 New. Roger Kelley ND4E, 190 NE 121 St., N. Miami, FL 33168 305 681-6800.

SOMETHING IS WRONG WITH JUSTICE WHEN THEY LOCK UP THE JURY AND LET THE CRIMINAL GO FREE. ...

FOR SALE: YEASU FT-101B Spectronics digital display, turner mike, Yeasu FL-2000B linear amp. new finals, all manuals, excellent condition \$700. certified or cashiers check plus \$15.00 shipping. Hi Q-Mini Quad \$65. Hallicrafters 2 meter base verticle \$20. Pick up only on antennas. Yeasu MD-1BB desk mike new in box \$50. Harry Weir WD4FGN, 890 SE 4 St., Hialeah, FL 33010 305 887-5207.

NOTICE! I PLEASE check your mailing label. If your ZIP number is not correct please advise us. When you change your address give us your OLD ADDRESS as well as your NEW ADDRESS. Allow about 2 weeks for an address change. If you move without telling us your address plate goes into the dead file. Thanks.

WANTED: MIAMI CW operators to check into Gator Net, any morning 830 to 9AM 3651 kHz or QFN CW traffic net 7 or 10 PM 3651. We need MIAMI bad. GN/QFN Net Mgrs.

WANTED: OMNI C or D or Triton 540 or 544 with CW filter and 252 pwr supply. Preferably in this area. Lee Leighton K4AY, 3610 Lighthouse Dr., Palm Beach Gardens, FL 33410 305 626 5711.

FOR SALE: CUSHCRAFT 144-148 MHz "Boomer" beam. See June CQ for details. Beautiful OSCAR antenna, 18 ft. boom, 18 elements \$39.00. pick up only. Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

SELL: Signal One CX7A with B mods and power supply. Needs minor counter work otherwise excellent condition, with manual and spare 8072 final. Firm \$450. U Ship. Bob Lyon K4FXP, 417 Cardinal Dr., Satellite Beach, FL 32937 (no phone given)

SELL: TEMPO ONE with ac/dc and manual, original owner. On the air, sked OK or drop by and try. (mike, spare tubes and U-100 rotator with control box and cable, all free with purchase of the Tempo one.) \$175.00 Bob Sturgis W4PDT, 7388 Green Oak Lane, Middleburg, FL 32068 904 282-0749 All FOB.

NEW LOCATION! NOW two days. Dont' miss the 12th annual Treasure Coast Ham & Computefest. Now at Beautiful, air conditioned Dodgertown. Oct. 12th & 13th. More information to come. P. O. Box 3088, Beach Station Vero Beach, FL 32960.

SELL: HW7, PS, manual \$75. HW2021, charger, manual \$45. \$50. at new nicads. 5 MHz SSB & CW Xtal filters \$20. SBT TS186 F/UP HET. freq meter - works! Make offer. Old only 24V vidio monitor - ugly/works - offer. WANTED-TRADE: ATV (420 MHz) small "CO-CO" printer, packet BD-C Bbroward W4JKE, 4400-77 SW 20 20 Ave., Gainesville, FL 32607 904 - 376-8916 nites.

URGENTLY NEEDED: Any info on "Redi-Kilowatt" Electronic Keyer built about 8 or 10 years ago by chap in PA. Have 2 that need repair and am helpless without block diagram or schematic diagram. H E L P I I I Andy Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

WANTED: Local amateurs to be in 10 hour video Amateur Radio series on "ALL ABOUT AMATEUR RADIO." In the 20 - 30 minute shows, we plan to cover all phases of Amateur Radio. DX, Traffic, Emergency, OSCAR VHF-DX, Nets, Repeaters, MARS, CAP, Contests, on and on. This will be the first of its kind, that we know of. It will be sponsored by the Dade Co. Amateur Radio Public Service Corps in Cooperation with the Miami Springs TV Dade County Adult Coordinator. These series will be taped over the next 10 to 12 months. We need talented Amateurs in their field. We will need 20 to 30 amateurs willing to work in their spare time, mostly in evenings at the TV studios. What say, Interested? Drop a note or call in the evenings: Andy Clark, W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

SELL: ICOM IC-45A 70cm 440 MHz transceiver, mint like new with IC-HM14 16 button TT pad mike with manual. \$230. OBO. Larsen NMO-440 mobile antenna for 440 MHz \$15. Discover a great band! Rodger Skinner, K4BKK, 4117 Van Buren St., Hollywood, FL 33021 305 981-8480 afternoons.

FOR SALE: Heathkit HW8 with power supply, manual and upgrade instructions \$100. Firm plus shipping. George Fenning WD4FNX, 900-2021 U.S. 41 N., Brooksville, FL 33512 904 796-3745.

FOR SALE: KENWOOD TS 120 200W transceiver, mobile or base \$300. Will trade for computer equipment. Russ Hults K7FAL, 3912 NW 58 Pl., Virginia Gardens, FL 33166 305 871-4765.

SELL: RECEIVER, Collins 75S2 with manual, excellent \$200- D. Street W4IAZ, 1609 San Roy Dr., Dunedin, FL 33528 813 733-6708.

FOR SALE: Complete station including transceiver, beam antenna, rotor, tower and accessories for \$1000. or best offer. John Lehman, 627 Lk. Holloway Blvd., Lakeland, FL 33801 813 665-3983.

FOR SALE: Kenwood TS 430S with narrow SSB filter, PS430 power supply, MC42S mobile mike, 80-40-20 and 10 meter Hustler mobile antennas with bumper and mag. mount \$650. Also HAL CT2100, KB2100 and Electrohome monitor \$300. Harry Larson W0JK, 2156 Egret Dr., Clearwater, FL 33546 813 535-4838.

A RECESSION IS A PERIOD IN WHICH YOU TIGHTEN YOUR BELT.....

NOTE: ALL STOLEN AMATEUR EQUIPMENT IS LISTED FREE IN THIS COLUMN, regardless if you are a SKIP member or not. Give full details with S/N if possible. Several units have already been recovered thru this column. Editor....

SELL: KENWOOD TS130SE with filters and PS30 \$475. Prefer you eyeball to insure satisfaction but will UPS. Add 10%. Excess refundable. Terms cash or certified check. Richard McIntyre K4BNI, 611 Coral Dr., Cape Coral, FL 33904 813-542-8586.

FOR SALE: Solid state TEN-TEC Century 21. Used very little. Ideal for Novice \$200. Charles Walker N4KRT, 9512 West Hamilton Ave., Tampa, FL 33615 813 886-7023.

FOR SALE: COLLINS S line 32S-3 RE, 75S-3B RE, 500 Hz filter, 516F2 WE, 312-B3 RE, DX Eng. Processor, all items good condition \$650. Including UPS. Bob Needleman KD4ZN, 425 Waring St. Phila. PA 19116 215-745-0383.

FROM ESTATE of Dr. L. Long W4MFB. Rohn 58 ft fold-over tower (FK-255 SBH) Hinged at 31 1/2 feet. You remove. \$450. Mrs. L. Long, 424 South Shore Dr., Osprey, FL 33559 813 966-2697.

SELL FROM ESTATE K4JRK: Drake TR4, MS-4 power supply and spkr, manuals, Astatic D104 mike, collectors item. Heath oscilloscope mod. OM-3. Army transmitter BC-459 and RA-20 rectifier. Miscellaneous test equipment and tubes. Great junk box, all \$300. Fred Fiddelger, 4490 NW 8th St., Coconut Creek, FL 33066 Work 305 765-3260 home 974-6026.

HOW WELL YOU LIKE HARD WORK OFTEN DEPENDS ON WHETHER YOU'RE DOING IT OR PAYING FOR IT.....

COMPUTER FOR SALE: Enhanced model I TRS-80, 28K, Lowercase, double density, LDOS, Aerocomp drive \$350. Extra DSDD drive with homemade cover and PS \$75. All OK and in use daily. Want to upgrade. \$400 takes all (\$1600 plus invested). Winford Rister K14EU, Rt 7, Box 63, Lake City, FL 32055 904 755-4518 after 6 PM 904 397-3978 830 to 5 M-F.

SELL: Kenwood TS-520 with 500 Hz CW filter and DC power connector. Very clean. Can deliver in Miami Area \$299. Ten-Tec Century/21 transceiver with manual, calibrator, 208 CW filter and DC overload breaker, clean works fine \$239. Hammarlund HQ-100A receiver with matching speaker, mint condition, no mods, works great \$89. I want TEN-TEC 283 VFO (for DELTA) . 227 or 228 antenna tuner. Milt Schiedel WN4N, 127 pirates Dr., Key Largo, FL 33037 305 852-3209.

FOR SALE: SPR4 rcvr, excellent condx with FS4, all manuals \$180. for both. Sell or trade Hammarlund HC10 SSB converter, needs filter condx \$50. 75S1 - 32S1 - Ps, manuals \$300. 30L1 with manual \$350. All winged. Galaxy V with PS, needs work \$80. You pay UPS. Richard Raustad W4FBS, 143 Dogwood Trail, Leesburg, FL 32748 904 728-2396.

SELL: HEATH HW8 and power supply, excellent condition, good performer \$95. Manuals included. Winford Rister K14EU, Rt. 7 Box 63, Lake City, FL 32055 904 755-4518 after 6 PM 904 397-8558 830-5 M-F.

SELL: DRAKE TV-52-40 low pass filter, 52 Ohms in 52 ohms out \$10.00. Drake TV-1000 low pass filter 1.8 to 52 MHz, 1000 watts \$18.00 plus UPS. A. Clark W4IYT, 41 Lenape Dr., Miami Springs, FL 33166 305 888-3874.

THE PROBLEM WITH DOING NOTHING IS THAT YOU CAN'T STOP TO REST....

FOR SALE: Hy-Gain 18AVT/WB vertical \$40. Micronta multimeter 25 ranges \$15. Macrotronics interface for TRS-80 model I \$100. M-Square 2 meter converter M.B.P.S. \$30. GE Progline 2 meter 50 watts has two chnls 52 and 94 \$50. TH-3 Jr. Hy-Gain 3 element beam 10-15-20 \$35.00 4 element 2 meter quad \$25. G.S. C. 20 amp PS \$40. Diawa CNA 2002 2.5 kW auto antenna tuner \$200. Heath 2 meter 10 amp \$25. Heath 2 meter 40 watt amp \$30. Yaesu 207R HT with charger, 2 antennas, 12 volt auto adapter \$170. Robert Honey K14IX, 108 SW 69th Dr., Miami, FL 33173 305 271-7981.

FOR SALE: 4-400 tubes (two) complete with Eimac (new) sockets and chimney, tubes were used for test purposes \$100. Heath 175 watt power converter 6/12 volts to 117VAC \$25. National SW-54 receiver \$45. National 1-10A \$90. Collins MP-1 power supply for KWM-2/1 \$45. Johnson Ranger transmitter 160-10 meters \$85. 7.5Kv condensers, fixed, variable & vacuum. Fiber glass tape 1/2 inch wide for those faluns 3 rolls for \$1.00 Inductance, 60 turns, 8 per inch of No. 12 silver plated wire wound once-ramic form 3 1/2 inches in dia. and 1/4 inch thick was a roller type \$25. L. L. Jezorek W4LC, 20 Celestial Way 205, Juno Beach, FL 33408.

NOTICE HAMBAR USERS I I PLEASE GIVE YOUR CALL LETTERS, NAME & COMPLETE MAILING ADDRESS, AREA CODE WITH YOUR PHONE NUMBER! THIS WILL ALLOW THE BUYER TO CONTACT YOU QUICKLY. ALL ADS ARE CANCELLED AFTER THEY APPEAR. DO NOT REQUEST A RERUN FOR 2 OR 2 MONTHS! I RESUBMIT AD EACH MONTH! FOR ONLY 5 CENTS A WORD, WE CAN NOT AFFORD A BOOKKEEPER. MANY THANKS.....E D I T O R

The Commission believes that any Amateur whose license has been revoked, suspended or cancelled, either voluntarily or involuntarily, because of rule violations, should not be able to participate in any Amateur communication as a third party until such participation has been approved. Comments are requested as to whether this approval should be by relicensing, by requiring the disqualified person to request and be granted written permission from the Commission to be a third party, or by some other means.

Furthermore, the Commission said that any Amateur licensee who knowingly allows a disqualified person to participate in third-party communications will be subject to sanctions for violating the proposed rule.

Action by the Commission February 22, 1985, by Notice of Proposed Rulemaking (FCC 85-85). Commissioners Fowler (Chairman), Quello, Dawson, Rivera and Patrick.

NAVY CLUB REUNION

The NARCs Navy Amateur Radio Club of 7260 KC. fame recently enjoyed their sixth and most successful reunion to date, at Titusville, Florida. A well rounded agenda encompassing business meetings, NASA and active navy guest speakers, brunches, wining-dining, and happy hours brought out the best in all those wonderful members and XYLs attending.

We now boast a growing membership of 148 stations with operators covering 23 states. Currently 50% of members are QTH'd in the state of Florida. By necessity due to adverse propagation in general, we have adapted an auxiliary frequency of 3865. Consequently, we publicize this fact and extend an open invitation to all amateur licensed Ex- and Active duty Navy, Coast Guard, Marine, Merchant Seamen, Seabees including corresponding branches and affiliates of allied services.

We operate daily Monday through Friday starting at 0800 (eastern standard time) with warm up or "early bird" sessions Til' completed at approximately 0930 hours. So all newcomers, welcome! Check us out and check in on 3865 and/or 7260, you'll find us there, so if qualified become a NARC.

WB4WLM Phillip C. Miller, Maj. Ret'd.
423 Tulane Drive
Altamonte Springs, Fla. 32714
Ph. 305-774-0306

A NATIONAL REPEATER COUNCIL

A steering committee, chaired by John Hackman, WB4VVA, has been formed. The committee is the result of three meetings of frequency coordinators held at Hamvention '85. Initially, all agreed that they could "never agree" on a single 2 meter band plan to be used nationwide. On the other hand, an accurate data base of all coordinated repeaters, accessible only by frequency coordinators, was deemed needed in light of PR Docket 85-22.

As announced, the group will be composed of regional representatives who will use modern data communication to develop this data base. Subject to Board approval, aid will be provided by the ARRL in the form of a computer and possibly a telephone line. In all aspects of its involvement, the League will support the work of the committee without any direct control over, or access to, the data base; its role will be supportive only.

The ARRL has also announced that it will soon begin publication of a national frequency coordinators' newsletter, edited by Steve Mendelsohn (WA2DHF), Vice Director of the Hudson Division, and 6 regional contributing editors from throughout the United States.

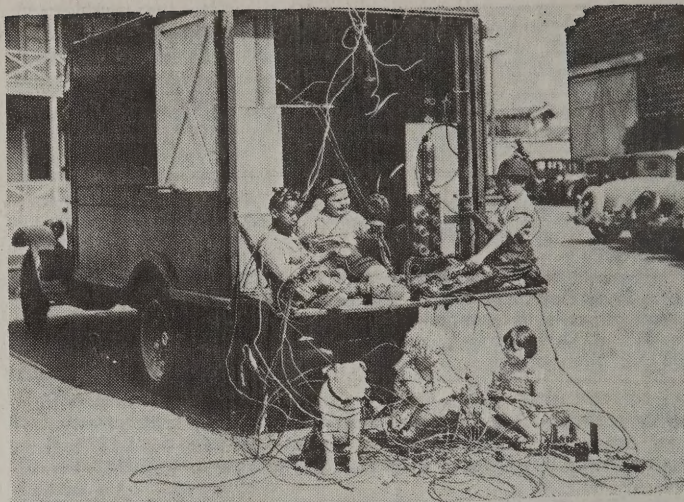
(The WESTLINK Report, 5/3/85)

FT. MYERS BICYCLE CLASSIC

By Peggy Cummings, KY8Y

Fort Myers, Fla. hosted the 2 day Flex Bon Bicycle Classic on April 20 and 21. On Saturday, April 20, the event was a grueling 57-mile road race and on Sunday, the bikers participated in a 40-lap race in downtown Fort Myers.

The members of the Fort Myers Amateur Radio Club, who helped with communications in the races were: Bob, WV4F, Marshall, K4GVI, Matt, WO4D, Harry, K9ALX, Louie, WD9AEP, Paul, K4OVC, Lucille, KI4ZW, Elmer, KZ8O and Peggy, KY8Y.



Many Ole Timer will fondly remember the "OUR GANG" movies back in the mid-30's. Well, here is "OUR GANG" setting up their first mobile station in California. (Jerry (Tucker) Schatz W2MFW (QCWA & retired RCA) was a member of OUR GANG. We are not sure, but we think Jerry is upper right in photo. Thanks to W4SQG & K4HQH for photo and info.)

NEXT TRN

Satellite communications will again be the topic of the next North American Teleconference Radio Net slated for June 14th.

The guest list for this one is really impressive and reads like a "Who's Who" in the amateur space program. Notables such as AMSAT President Vern Riportella, WA2LQQ; and Colonel John Browning, W6SP, of Project OSCAR, will be on hand.

Tune in if you want to update your information files and get answers to your questions on ham radio in space, including an update on the next live amateur radio operation from an orbiting space shuttle.

Already, some 250 repeaters serving most of North America are a part of this growing network, which is also linked worldwide in real time via AMSAT/OSCAR-10 and several terrestrial HF relay stations.

For information about joining the Teleconference Radio Net, send a self-addressed, stamped envelope to the Midway Amateur Radio Club, Timothy Lowenstein, TRN Manager, P.O. Box 1231, Kearney, NE 68847.

(The WESTLINK Report)

VHF'ers ROOST

By Hank, WA4WKO

It has been a remarkable month with inversions, ATV 144 + 220 + 432 + 1296 = Records made, new DX . . . This side, west coast booming! K8WMT home to Ohio left ATV with Ft. Myers ham to use. K4PBP turning out pretty ferrite baluns. KF4JU new antennas, 23cm, 33db gain 7-1/2 ft. long. KI4CS Steve needs Janel preamp for 144+ KA4PNT, KC3CL, W2WLO move off 144.2 MHz to 144.18 after making contact. A sad note. Our friend Lowell, W5UCY, passed on, a great UHF, VHF'er. Will be missed. W4OIA phone patched his daughter in Houston on opening. W1GYZ needs WW 100 watt bleeders. WB4BLU Al, new 271H. W4APV busy with packet radio. W1HDQ ED at Spring Hill. K4QXX BB new 220 2 kw amp!! W4MHL feeling better, W4ZR Dave over a year running the GC Thursday night SWOT net. Thanks!

On 432 + WA4WKO, N4XX, WD4AHZ, W1PEA, K4DZP, WA4OFS, W4GHK, KB4DFO, K4PBP, K4QXX, WA4YQW, KF4JU dozens of others, hear you there!

1296!!!! Letter from Jim WA4GHK Palm Bay working KL7JGI Panama City on 1 watt. On 432 WA5TBE TX. Then 1296 WA4OFS, K4NDT, W5JRH Houston, TX. W5LDV, W5AMX (K4DZP) Miami was hearing all stations. WB1CNU Ben building 6 QST 1296 amps for the locals. Harry WA4OFS reports talking to 3 TXs some La's etc. Where can we get teflon? Hi voltage feed thru caps? Do you know your qsl will get a free grid square map, CUSH CRAFT!!